



# High Ranking TPI® Genomic Young Bulls APRIL 2019

Bulls with no daughters in their genomic proofs for Production or Type. No requirement for semen status.

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| Registration Number | Name                        | Requester | NAAB code  | Birth Date | GFI  | Pro | Fat | Yield |        |      |     |     |     | Type |      |      |       |        |     |     |      |
|---------------------|-----------------------------|-----------|------------|------------|------|-----|-----|-------|--------|------|-----|-----|-----|------|------|------|-------|--------|-----|-----|------|
|                     |                             |           |            |            |      |     |     | FE    | % Rel. | SCS  | PL  | LIV | FI  | PTAT | UDC  | FLC  | BWC   | % Rel. | DCE | DSB | GTPI |
| HO840003147118734   | GENOSOURCE CAPTAIN-ET       | GeneSeek  |            | 20190101   | 9.6  | 74  | 132 | 291   | 74     | 2.83 | 7.3 | 3.1 | 3.8 | 1.91 | 1.98 | 1.17 | -1.07 | 71     | 3.6 | 4.3 | 3065 |
| HO840003007971642   | 551HO3823                   | SexTech   |            | 20181123   | 9.8  | 76  | 106 | 251   | 76     | 2.69 | 8.1 | 3.9 | 3.7 | 1.89 | 2.25 | 0.39 | -0.58 | 73     | 2.9 | 3.6 | 3005 |
| HO840003203845450   | 551HO03849                  | SexTech   |            | 20190101   | 9.8  | 66  | 109 | 268   | 77     | 2.68 | 9.3 | 6.0 | 3.7 | 1.47 | 2.36 | 0.46 | -1.78 | 74     | 2.8 | 4.2 | 3005 |
| HO840003150997170   | FLY-HIGHER MOONSHINER-ET    | Select    |            | 20190122   | 10.3 | 74  | 101 | 246   | 75     | 2.65 | 8.1 | 1.8 | 2.8 | 2.64 | 2.44 | 1.75 | -0.71 | 73     | 3.1 | 3.8 | 3001 |
| HO840003147118750   |                             | GeneSeek  |            | 20190209   | 8.9  | 78  | 105 | 264   | 74     | 2.75 | 9.0 | 3.4 | 4.4 | 1.49 | 1.73 | 0.53 | -1.48 | 72     | 2.8 | 4.0 | 3000 |
| HO840003200824445   | PEAK MARUS ZAZZLE-ET        | Genex     |            | 20180927   | 9.9  | 72  | 122 | 272   | 76     | 2.69 | 8.2 | 4.6 | 2.3 | 1.68 | 1.89 | 0.51 | -0.29 | 73     | 2.8 | 3.6 | 2977 |
| HO840003148929262   | SANDY-VALLEY ETRNTY EDGE-ET | Select    |            | 20190103   | 9.5  | 76  | 112 | 261   | 74     | 2.75 | 7.5 | 3.0 | 2.1 | 1.92 | 2.13 | 1.65 | -0.44 | 72     | 3.0 | 2.7 | 2974 |
| HO840003203845363   | 551HO3845                   | SexTech   |            | 20181215   | 9.3  | 76  | 106 | 254   | 76     | 2.79 | 7.8 | 3.0 | 3.4 | 1.57 | 2.04 | 1.21 | -0.80 | 73     | 2.8 | 3.1 | 2970 |
| HO840003206205253   | SSI-DUCKETT 10327           | Select    |            | 20190216   | 9.5  | 60  | 81  | 196   | 74     | 2.49 | 8.6 | 3.3 | 4.5 | 1.99 | 2.92 | 1.63 | 0.37  | 70     | 2.8 | 3.3 | 2969 |
| HO840003143060701   | DENOVO 2800 PRINCE-ET       | ABS       | 029HO19010 | 20180308   | 10.1 | 63  | 124 | 254   | 77     | 2.66 | 7.7 | 3.4 | 3.3 | 1.87 | 1.74 | 0.87 | 0.55  | 75     | 3.6 | 3.4 | 2965 |
| HO840003142332589   | PINE-TREE HEROIC-ET         | ABS       | 029HO19000 | 20180223   | 9.7  | 58  | 137 | 278   | 77     | 2.77 | 6.8 | 3.1 | 2.0 | 1.82 | 2.37 | 1.02 | -1.04 | 76     | 2.4 | 2.7 | 2963 |
| HO840003007971552   | 551HO03770                  | SexTech   | 551HO03770 | 20180809   | 8.6  | 80  | 118 | 265   | 76     | 2.72 | 7.9 | 2.9 | 0.7 | 2.37 | 2.32 | 1.08 | 0.02  | 75     | 3.7 | 4.3 | 2962 |
| HO840003200649011   | FB KENOBI TARGARYEN-ET      | ABS       |            | 20190106   | 9.9  | 87  | 92  | 240   | 76     | 2.66 | 8.7 | 2.2 | 3.4 | 1.80 | 1.95 | 0.46 | 0.85  | 74     | 3.8 | 5.0 | 2959 |
| HO840003148929298   | SANDY-VALLEY EK SURVIVOR-ET | ABS       |            | 20190119   | 9.7  | 62  | 116 | 252   | 76     | 2.78 | 8.6 | 4.0 | 3.1 | 1.81 | 2.24 | 1.01 | -0.25 | 74     | 3.3 | 3.6 | 2956 |
| HO840003202985608   | AURORA SOLUTION 718-ET      | Select    |            | 20181209   | 9.4  | 72  | 91  | 236   | 75     | 2.66 | 9.0 | 4.1 | 3.9 | 1.23 | 2.02 | 1.56 | -0.76 | 72     | 3.2 | 2.9 | 2955 |
| HOCAN000012857528   | SILVERRIDGE V EINSTEIN-ET   | Zoetis    | 200HO11586 | 20180418   | 9.8  | 75  | 103 | 239   | 76     | 2.65 | 8.2 | 2.1 | 2.3 | 2.14 | 2.53 | 1.12 | 0.47  | 74     | 3.5 | 5.2 | 2953 |
| HO840003200824973   | PEAK POSTV RUSHMORE-ET      | Alta      |            | 20181117   | 9.6  | 62  | 109 | 229   | 76     | 2.64 | 7.9 | 2.8 | 2.5 | 2.51 | 2.98 | 0.65 | 0.22  | 74     | 3.3 | 4.4 | 2952 |
| HO840003200824963   | PEAK POSTV FORTNITE-ET      | Alta      |            | 20181102   | 9.4  | 74  | 113 | 254   | 76     | 2.57 | 7.5 | 1.9 | 1.9 | 1.96 | 2.06 | 1.04 | 0.08  | 73     | 3.0 | 3.5 | 2951 |
| HO840003202768334   | AOT HIGHJUMP-ET             | Semex     |            | 20181023   | 9.1  | 69  | 118 | 262   | 77     | 2.72 | 6.1 | 0.2 | 1.6 | 2.79 | 2.75 | 1.03 | -0.41 | 75     | 3.1 | 4.4 | 2945 |
| HO840003150687294   | PINE-TREE SAWYER-ET         | ABS       |            | 20181226   | 9.3  | 83  | 114 | 279   | 75     | 2.84 | 5.8 | 0.9 | 3.3 | 1.74 | 1.78 | 0.22 | -0.14 | 73     | 3.4 | 3.8 | 2944 |
| HO840003203845446   | 551HO03851                  | SexTech   |            | 20190109   | 9.9  | 68  | 117 | 252   | 75     | 2.73 | 8.2 | 2.4 | 2.3 | 1.85 | 2.19 | 0.97 | -0.22 | 73     | 2.4 | 4.1 | 2942 |
| HO840003148929307   | SANDY-VALLEY THE ANSWER-ET  | Select    |            | 20190130   | 9.7  | 71  | 121 | 270   | 75     | 2.80 | 6.9 | 1.9 | 2.8 | 1.73 | 1.77 | 0.99 | -0.30 | 73     | 2.9 | 4.0 | 2940 |
| HO840003200824740   | PEAK LISN INCREDIBLE-ET     | Alta      |            | 20190119   | 9.7  | 71  | 111 | 251   | 73     | 2.69 | 7.2 | 3.0 | 1.3 | 2.42 | 2.49 | 1.65 | 0.15  | 72     | 3.6 | 5.1 | 2940 |
| HO840003143806809   | HARMONY-HO 341-ET           | Genex     |            | 20190119   | 9.8  | 88  | 127 | 284   | 77     | 2.74 | 5.8 | 1.3 | 0.9 | 1.75 | 1.35 | 0.89 | 0.61  | 76     | 2.9 | 2.6 | 2938 |
| HO840003205703847   | SSI-TOG Y105                | Select    |            | 20190221   | 9.9  | 57  | 98  | 200   | 74     | 2.66 | 8.3 | 4.2 | 3.8 | 2.42 | 2.26 | 1.47 | 1.03  | 70     | 2.8 | 2.0 | 2938 |
| HOUSA00023EWS8853   |                             | SexTech   |            | 20190221   | 9.5  | 70  | 91  | 239   | 75     | 2.65 | 8.7 | 3.1 | 3.8 | 1.44 | 2.26 | 1.06 | -0.92 | 72     | 3.1 | 3.9 | 2934 |
| HO840003132353072   | MR DYNASTY NASHVILLE-ET     | GenVis    | 551HO03600 | 20170704   | 9.3  | 79  | 94  | 245   | 77     | 2.70 | 8.5 | 4.1 | 3.1 | 1.63 | 1.57 | 1.57 | -0.69 | 76     | 3.8 | 4.9 | 2932 |
| HO840003146617066   |                             | GenVis    |            | 20180704   | 9.3  | 79  | 94  | 245   | 77     | 2.70 | 8.5 | 4.1 | 3.0 | 1.63 | 1.57 | 1.56 | -0.69 | 76     | 3.8 | 4.9 | 2932 |
| HO840003205435782   | PEAK JNIPR LWSON 81712-ET   | Alta      |            | 20190219   | 9.0  | 60  | 109 | 221   | 72     | 2.61 | 8.8 | 5.2 | 4.0 | 1.57 | 1.30 | 0.89 | 1.25  | 70     | 1.7 | 3.0 | 2932 |
| HO840003146617798   |                             | SexTech   |            | 20181101   | 9.9  | 69  | 86  | 226   | 75     | 2.64 | 9.3 | 4.5 | 3.9 | 1.77 | 1.96 | 0.93 | -0.81 | 72     | 2.4 | 3.8 | 2931 |
| HO840003204164778   | DENOVO 15540 SEMINOLE-ET    | ABS       | 029HO19235 | 20181220   | 9.2  | 74  | 108 | 263   | 75     | 2.66 | 6.7 | 2.2 | 2.4 | 1.99 | 2.01 | 0.80 | -0.71 | 73     | 3.1 | 3.7 | 2931 |
| HO840003150905532   | JC-KOW VITALITY-ET          | ABS       | 029HO19248 | 20181019   | 9.7  | 70  | 88  | 216   | 76     | 2.73 | 8.3 | 2.1 | 4.1 | 1.73 | 2.21 | 1.20 | 0.35  | 73     | 1.6 | 2.5 | 2930 |
| HO840003146616169   | ST GEN NOBLE DUBAI-ET       | SexTech   | 551HO03800 | 20180221   | 10.0 | 64  | 86  | 216   | 77     | 2.68 | 8.5 | 5.6 | 3.8 | 2.03 | 2.52 | 0.82 | -0.49 | 75     | 2.8 | 4.0 | 2927 |
| HO840003203098819   | TERRA-LINDA SOLTON 875-ET   | Select    |            | 20181225   | 9.9  | 55  | 87  | 199   | 75     | 2.58 | 9.4 | 5.7 | 4.5 | 1.59 | 2.36 | 1.21 | -0.54 | 72     | 2.7 | 3.2 | 2927 |
| HO840003200825080   | PEAK MNDLN LWSON 4236-ET    | Alta      |            | 20190215   | 9.0  | 62  | 120 | 246   | 72     | 2.74 | 7.9 | 4.8 | 3.5 | 1.50 | 1.46 | 0.66 | 0.91  | 70     | 2.6 | 3.7 | 2926 |
| HO840003150307024   | BOMAZ FASTBALL-ET           | Zoetis    | 200HO11505 | 20180705   | 9.6  | 77  | 99  | 229   | 78     | 2.72 | 8.1 | 2.7 | 1.8 | 2.07 | 2.31 | 2.09 | -0.12 | 74     | 4.6 | 4.1 | 2925 |
| HO840003200824825   | PEAK ARRA ROBERT 62132-ET   | Alta      |            | 20190218   | 9.0  | 65  | 103 | 239   | 73     | 2.83 | 8.1 | 2.6 | 3.6 | 1.81 | 2.34 | 1.10 | -0.50 | 72     | 3.4 | 3.0 | 2924 |
| HO840003201859526   | OCD KENOBI MANNING-ET       | ABS       |            | 20190204   | 9.3  | 67  | 98  | 221   | 76     | 2.87 | 7.7 | 2.2 | 3.4 | 2.30 | 2.69 | 1.44 | 0.61  | 75     | 3.9 | 4.2 | 2924 |
| HO840003150607550   | DENOVO 15470 HALIFAX-ET     | ABS       | 029HO19215 | 20181116   | 9.3  | 64  | 85  | 207   | 77     | 2.70 | 7.9 | 3.6 | 5.0 | 1.88 | 2.12 | 1.37 | 0.24  | 76     | 3.9 | 3.3 | 2922 |
| HO840003200824185   | PEAK POSTV MUSCLE UP-ET     | Alta      |            | 20181212   | 9.9  | 78  | 133 | 299   | 74     | 2.96 | 5.4 | 0.8 | 1.2 | 1.94 | 2.07 | 1.29 | -0.48 | 72     | 4.6 | 4.9 | 2921 |
| HO840003204165516   | DENOVO 16278 KINETIC-ET     | ABS       |            | 20190217   | 8.9  | 85  | 99  | 246   | 75     | 2.75 | 6.2 | 1.7 | 2.4 | 1.81 | 2.34 | 0.35 | 0.21  | 72     | 2.5 | 3.9 | 2921 |
| HO840003132350683   | DELICIOUS H-NOON TAMPA-ET   | SexTech   | 551HO03797 | 20180123   | 9.4  | 75  | 79  | 220   | 77     | 2.65 | 9.3 | 4.5 | 4.0 | 1.66 | 1.93 | 1.06 | -1.02 | 75     | 3.6 | 4.3 | 2919 |
| HO840003201118939   | CHERRYPCOL MOSCOW-ET        | Select    |            | 20190118   | 10.3 | 70  | 89  | 221   | 75     | 2.63 | 8.6 | 4.0 | 4.1 | 1.45 | 2.23 | 0.48 | -0.23 | 73     | 3.8 | 4.0 | 2918 |
| HO840003204164789   | DENOVO 15551 SUBLIME-ET     | ABS       | 029HO19239 | 20181224   | 9.1  | 52  | 104 | 222   | 75     | 2.63 | 8.0 | 4.0 | 3.9 | 1.81 | 2.03 | 1.42 | -0.08 | 73     | 2.1 | 3.1 | 2918 |
| HOUSA00023EWS8854   |                             | SexTech   |            | 20190221   | 9.5  | 78  | 103 | 257   | 75     | 2.61 | 8.0 | 2.5 | 2.3 | 1.80 | 1.92 | 0.63 | -0.55 | 72     | 4.4 | 4.9 | 2918 |
| HO840003147118754   |                             | GeneSeek  |            | 20190212   | 9.9  | 77  | 103 | 250   | 74     | 2.78 | 7.4 | 1.2 | 2.6 | 1.90 | 2.41 | 0.82 | -1.23 | 72     | 3.8 | 4.6 | 2916 |

| Registration Number | Name                         | Requester | NAAB code  | Birth Date | GFI  | Pro | Fat | Yield |        |      |     |      |     |      |      | Type |       |        |     |     |      |
|---------------------|------------------------------|-----------|------------|------------|------|-----|-----|-------|--------|------|-----|------|-----|------|------|------|-------|--------|-----|-----|------|
|                     |                              |           |            |            |      |     |     | FE    | % Rel. | SCS  | PL  | LIV  | FI  | PTAT | UDC  | FLC  | BWC   | % Rel. | DCE | DSB | GTPI |
| HO840003147223494   | PLAIN-KNOLL SI MAGNITUDE-ET  | Select    | 507HO14792 | 20180517   | 9.8  | 47  | 89  | 174   | 77     | 2.49 | 8.8 | 3.8  | 4.7 | 2.33 | 2.72 | 1.15 | 0.85  | 74     | 3.8 | 3.8 | 2916 |
| HO840003132353668   | MR 79834-ET                  | GenVis    |            | 20171120   | 10.2 | 61  | 90  | 212   | 76     | 2.69 | 8.8 | 5.6  | 3.2 | 2.27 | 2.60 | 0.90 | -0.20 | 75     | 3.1 | 3.9 | 2914 |
| HO840003142332722   | PINE-TREE CW LEGACY-ET       | Select    | 507HO14250 | 20170623   | 9.4  | 63  | 107 | 243   | 78     | 2.46 | 8.6 | 4.3  | 3.1 | 1.21 | 1.90 | 0.73 | -0.77 | 75     | 5.1 | 4.4 | 2914 |
| HO840003139198246   | COOKIECUTTER HILLTOP-ET      | Semex     |            | 20181004   | 9.6  | 71  | 105 | 235   | 76     | 2.72 | 7.5 | 1.9  | 1.9 | 2.53 | 2.56 | 0.96 | 0.01  | 74     | 3.9 | 5.0 | 2913 |
| HO840003150607572   | DENOVO 15492 HUGO-ET         | ABS       | 029HO19226 | 20181125   | 9.5  | 67  | 103 | 237   | 77     | 2.74 | 6.3 | 0.8  | 2.3 | 2.51 | 2.63 | 1.77 | -0.23 | 76     | 3.8 | 3.3 | 2913 |
| HO840003200824169   | PEAK POSTV FLASHBACK-ET      | Alta      |            | 20181208   | 9.5  | 69  | 102 | 225   | 73     | 2.70 | 7.3 | 2.3  | 1.9 | 2.58 | 2.62 | 1.26 | 1.32  | 71     | 3.9 | 3.7 | 2913 |
| HO840003203845435   | 551HO3854                    | SexTech   |            | 20190131   | 9.0  | 69  | 132 | 284   | 76     | 2.63 | 6.7 | 0.8  | 1.5 | 1.57 | 1.60 | 0.82 | -1.05 | 73     | 3.0 | 3.8 | 2913 |
| HO840003146617444   | ST GEN 84382-ET              | SexTech   |            | 20180902   | 9.7  | 60  | 102 | 227   | 76     | 2.65 | 7.9 | 4.9  | 3.7 | 1.59 | 1.86 | 1.18 | -0.34 | 73     | 2.9 | 3.8 | 2912 |
| HO840003148918851   |                              | GeneSeek  |            | 20190104   | 9.5  | 62  | 103 | 231   | 73     | 2.69 | 9.3 | 3.7  | 2.4 | 2.02 | 2.28 | 1.51 | -1.13 | 72     | 3.0 | 4.4 | 2912 |
| HO840003200124761   | SIEMERS RENG D PARI 30991-ET | Select    |            | 20190203   | 9.5  | 72  | 111 | 238   | 74     | 2.84 | 6.0 | 3.3  | 1.6 | 2.30 | 2.11 | 2.10 | 1.00  | 72     | 3.1 | 3.7 | 2911 |
| HO840003201118925   | CHERRYPENCOL JIMBO-ET        | Select    |            | 20181206   | 9.5  | 69  | 90  | 224   | 75     | 2.60 | 8.4 | 3.2  | 3.6 | 1.43 | 1.81 | 1.29 | -0.49 | 73     | 2.3 | 2.6 | 2911 |
| HO840003202794693   | SSI-DUCKETT 10242            | Select    |            | 20190118   | 10.0 | 83  | 133 | 289   | 74     | 2.86 | 5.1 | -0.2 | 0.0 | 2.36 | 1.71 | 1.85 | 0.09  | 71     | 3.6 | 4.7 | 2911 |
| HO840003146617313   | DELICIOUS 84251-ET           | SexTech   |            | 20180812   | 10.4 | 57  | 92  | 205   | 76     | 2.69 | 8.6 | 5.1  | 4.4 | 1.92 | 2.39 | 0.47 | -0.46 | 73     | 2.5 | 3.4 | 2910 |
| HO840003200824958   | PEAK POSTV OUTBURST-ET       | Genex     |            | 20181029   | 9.3  | 76  | 122 | 282   | 76     | 2.85 | 5.3 | 1.5  | 0.9 | 2.28 | 2.15 | 1.36 | -0.83 | 74     | 3.4 | 4.1 | 2910 |
| HO840003203292328   |                              | Select    |            | 20190112   | 9.5  | 67  | 119 | 246   | 75     | 2.87 | 6.2 | 2.4  | 3.4 | 1.74 | 1.64 | 1.42 | 0.35  | 72     | 4.2 | 3.0 | 2910 |
| HO840003204164922   | DENOVO 15684 CAMARO-ET       | ABS       |            | 20190204   | 9.2  | 76  | 113 | 256   | 75     | 2.81 | 8.0 | 4.2  | 2.2 | 1.29 | 1.49 | 1.37 | -0.05 | 71     | 3.7 | 3.3 | 2910 |
| HO840003150457505   | SSI-PRESTON 195              | Select    |            | 20190202   | 9.3  | 61  | 102 | 227   | 74     | 2.65 | 7.9 | 3.8  | 4.1 | 1.36 | 1.81 | 1.52 | -0.51 | 71     | 4.0 | 4.1 | 2909 |
| HO840003202985605   | AURORA SOLUTION 715-ET       | Select    |            | 20181128   | 9.5  | 65  | 120 | 244   | 75     | 2.81 | 5.6 | 1.8  | 1.2 | 2.82 | 2.33 | 1.89 | 0.89  | 73     | 3.5 | 3.0 | 2909 |
| HO840003206205233   | SSI-DUCKETT 10307            | Select    |            | 20190208   | 9.8  | 67  | 89  | 207   | 74     | 2.68 | 7.3 | 2.3  | 3.3 | 2.30 | 2.77 | 1.14 | 0.67  | 72     | 3.0 | 5.0 | 2908 |
| HO840003148929228   | SANDY-VALLEY EXECUTIVE-ET    | ABS       | 029HO19249 | 20181118   | 9.5  | 60  | 92  | 202   | 76     | 2.63 | 7.0 | 2.9  | 4.0 | 2.06 | 2.12 | 1.49 | 1.03  | 73     | 2.1 | 2.9 | 2907 |
| HO840003148279820   | TWIN-RIDGE REVELATION-ET     | Select    |            | 20181103   | 8.9  | 68  | 94  | 217   | 75     | 2.52 | 8.4 | 3.7  | 1.2 | 2.59 | 2.26 | 1.23 | 0.11  | 74     | 1.7 | 2.8 | 2905 |
| HO840003204164913   | DENOVO 15675 INTUITIVE-ET    | ABS       |            | 20190201   | 9.2  | 80  | 95  | 245   | 75     | 2.60 | 8.3 | 3.4  | 1.9 | 1.66 | 1.92 | 0.74 | -0.50 | 73     | 3.0 | 3.9 | 2905 |
| HOCAN000013227668   | PROGENESIS RADEZKY           | Semex     | 200HO11640 | 20181009   | 10.7 | 40  | 92  | 187   | 76     | 2.63 | 9.0 | 3.7  | 4.6 | 2.55 | 2.99 | 1.62 | 0.40  | 73     | 4.7 | 4.4 | 2905 |
| HO840003199701989   | OCD SOLUTION RIPKEN-ET       | Select    |            | 20181229   | 9.2  | 71  | 113 | 244   | 75     | 2.79 | 5.9 | 1.9  | 1.5 | 2.24 | 2.39 | 1.76 | 0.26  | 72     | 4.1 | 4.0 | 2903 |
| HO840003200059630   |                              | GeneSeek  |            | 20181010   | 9.4  | 67  | 126 | 264   | 73     | 2.81 | 7.4 | 2.7  | 1.8 | 1.71 | 1.70 | 1.12 | -0.49 | 70     | 3.0 | 3.3 | 2902 |
| HO840003200824712   | PEAK MNDLN POSTV 62019-ET    | Alta      |            | 20190106   | 9.2  | 68  | 131 | 270   | 73     | 2.83 | 5.2 | 2.1  | 1.6 | 1.99 | 2.19 | 0.67 | -0.19 | 71     | 3.6 | 4.2 | 2902 |
| HO840003204164764   | DENOVO 15526 KENYA-ET        | ABS       | 029HO19233 | 20181214   | 9.4  | 62  | 74  | 195   | 76     | 2.77 | 9.5 | 4.3  | 5.6 | 1.51 | 2.33 | 0.85 | -0.19 | 73     | 2.5 | 3.8 | 2901 |
| HO840003204942027   | DAR-BURN JOSUPER 954-ET      | Alta      |            | 20190117   | 9.4  | 75  | 109 | 253   | 77     | 2.74 | 8.7 | 3.3  | 1.5 | 1.82 | 1.97 | 0.85 | -0.92 | 77     | 3.8 | 4.0 | 2901 |
| HO840003205027131   |                              | ABS       |            | 20190124   | 9.5  | 67  | 112 | 249   | 75     | 2.80 | 7.0 | 2.7  | 3.0 | 1.69 | 1.86 | 0.98 | -0.40 | 72     | 3.4 | 2.9 | 2900 |
| HO840003143986022   | SIEMERS RENEGADE ROZ 31053   | Select    |            | 20190218   | 10.1 | 80  | 106 | 256   | 74     | 2.81 | 7.6 | 3.1  | 2.9 | 1.18 | 1.22 | 1.61 | -0.28 | 72     | 4.0 | 4.5 | 2899 |
| HO840003200824142   | PEAK MLKTM TIKI-ET           | Alta      |            | 20181112   | 9.6  | 81  | 92  | 227   | 75     | 2.54 | 9.2 | 4.4  | 2.2 | 1.41 | 1.43 | 0.94 | 0.54  | 73     | 2.9 | 3.9 | 2899 |
| HO840003204164805   | DENOVO 15567 KIMMEL-ET       | ABS       | 029HO19241 | 20181227   | 9.7  | 72  | 93  | 220   | 76     | 2.69 | 7.7 | 1.6  | 3.4 | 1.87 | 2.32 | 0.68 | 0.52  | 74     | 3.2 | 3.9 | 2899 |
| HO840003132350797   | EDG NOBLE IMPERIAL-ET        | SexTech   | 551HO03812 | 20180206   | 9.9  | 65  | 80  | 207   | 77     | 2.61 | 8.2 | 4.8  | 3.7 | 1.93 | 2.53 | 0.99 | -0.53 | 74     | 3.9 | 3.9 | 2898 |
| HO840003201118944   | CHERRYPENCOL LARGO-ET        | Select    |            | 20190223   | 10.1 | 52  | 92  | 201   | 75     | 2.44 | 9.8 | 4.2  | 3.6 | 1.62 | 2.33 | 1.21 | -0.33 | 72     | 3.5 | 3.3 | 2898 |
| HO840003204164880   | DENOVO 15642 KICKOFF-ET      | ABS       |            | 20190117   | 8.9  | 88  | 86  | 236   | 76     | 2.67 | 8.6 | 2.1  | 2.2 | 1.73 | 1.91 | 0.71 | -0.31 | 72     | 3.2 | 4.4 | 2897 |
| HO840003133120549   | S-S-I BG FRZZLD RIVETING-ET  | Select    | 614HO14220 | 20170518   | 9.5  | 55  | 77  | 178   | 78     | 2.46 | 9.2 | 5.0  | 4.0 | 1.95 | 2.58 | 1.51 | 0.29  | 75     | 3.8 | 3.5 | 2896 |
| HO840003146616400   | DELICIOUS 83338-ET           | SexTech   | 551HO03806 | 20180326   | 9.8  | 67  | 101 | 237   | 76     | 2.63 | 7.9 | 3.1  | 2.8 | 2.05 | 2.17 | 0.12 | -1.04 | 75     | 3.0 | 3.4 | 2896 |
| HO840003142332520   | PINE-TREE ACURA-ET           | ABS       | 029HO18960 | 20171125   | 10.0 | 74  | 105 | 245   | 77     | 2.78 | 8.2 | 4.4  | 2.9 | 1.43 | 1.54 | 0.76 | -0.20 | 76     | 3.4 | 3.9 | 2895 |
| HO840003147987845   | AOT HAWKEYE-ET               | Semex     |            | 20181019   | 9.5  | 65  | 122 | 267   | 77     | 2.87 | 6.2 | 1.4  | 1.6 | 2.34 | 2.56 | 1.04 | -0.87 | 75     | 4.0 | 5.0 | 2895 |
| HO840003149336968   | PEAK ZNITH MNTYA 61628-ET    | Alta      |            | 20180803   | 9.7  | 67  | 116 | 243   | 75     | 2.67 | 6.0 | 1.3  | 1.2 | 2.26 | 2.58 | 1.12 | 0.72  | 72     | 3.3 | 4.2 | 2895 |
| HO840003200824199   | PEAK LREAT POSTV 81556-ET    | Alta      |            | 20181213   | 9.7  | 71  | 107 | 261   | 74     | 2.91 | 6.3 | 3.2  | 2.3 | 1.62 | 2.37 | 1.14 | -0.97 | 72     | 3.4 | 2.1 | 2895 |
| HOCAN000013098931   | PROGENESIS MOSALAH-ET        | Zoetis    | 200HO11500 | 20180514   | 10.1 | 60  | 83  | 215   | 76     | 2.75 | 9.4 | 5.3  | 5.1 | 1.37 | 2.20 | 0.35 | -1.33 | 73     | 3.0 | 2.9 | 2895 |
| HO840003146618088   |                              | SexTech   |            | 20181223   | 9.5  | 60  | 114 | 236   | 75     | 2.81 | 6.2 | 1.3  | 3.1 | 2.16 | 2.39 | 0.84 | -0.13 | 73     | 2.6 | 4.0 | 2894 |
| HO840003150452154   | FAIRMONT RIDGELINE-ET        | Zoetis    | 200HO11562 | 20180518   | 9.9  | 67  | 78  | 191   | 77     | 2.69 | 7.4 | 3.3  | 2.5 | 2.67 | 3.16 | 1.58 | 0.55  | 74     | 3.3 | 3.5 | 2894 |
| HO840003151003696   | LEANINGHOUSE RNGDE 26027-ET  | HO        |            | 20190204   | 9.5  | 67  | 95  | 210   | 74     | 2.59 | 6.7 | 2.9  | 2.5 | 2.28 | 2.34 | 1.18 | 1.01  | 71     | 2.9 | 3.4 | 2894 |
| HO840003202794697   | SSI-DUCKETT 10246            | Select    |            | 20190120   | 9.6  | 80  | 116 | 264   | 74     | 2.64 | 5.3 | 1.6  | 1.3 | 1.85 | 1.55 | 1.38 | 0.45  | 71     | 4.3 | 4.6 | 2894 |
| HO840003146618234   |                              | SexTech   |            | 20190115   | 9.4  | 76  | 107 | 248   | 76     | 2.83 | 7.2 | 2.5  | 2.4 | 2.25 | 2.15 | 0.56 | -0.08 | 72     | 4.8 | 6.4 | 2893 |
| HO840003147118752   |                              | GeneSeek  |            | 20190210   | 9.4  | 65  | 106 | 233   | 73     | 2.65 | 8.3 | 4.0  | 2.7 | 1.47 | 2.02 | 0.68 | -0.93 | 72     | 3.0 | 3.7 | 2893 |
| HO840003140185073   | EILDON-TWEED SAM BRITISH-ET  | Genex     |            | 20180816   | 9.0  | 59  | 99  | 221   | 76     | 2.75 | 9.2 | 4.7  | 3.0 | 1.62 | 2.01 | 1.46 | 0.02  | 75     | 2.2 | 2.5 | 2892 |
| HO840003146617481   | DELICIOUS 84419-ET           | SexTech   |            | 20180908   | 10.4 | 61  | 100 | 217   | 76     | 2.58 | 7.9 | 3.6  | 3.3 | 2.02 | 2.16 | 0.42 | -0.25 | 73     | 2.8 | 4.9 | 2892 |
| HO840003150307073   | BOMAZ TRILOGY-ET             | GeneSeek  |            | 20180903   | 9.3  | 71  | 75  | 203   | 74     | 2.73 | 7.3 | 2.1  | 3.3 | 2.26 | 2.41 | 1.74 | -0.17 | 71     | 1.4 | 1.9 | 2892 |
| HO840003202070642   |                              | GeneSeek  |            | 20181017   | 10.0 | 59  | 101 | 219   | 73     | 2.60 | 8.3 | 2.7  | 3.9 | 1.64 | 1.66 | 0.99 | -0.35 | 72     | 2.2 | 2.8 | 2892 |
| HO840003202157344   | TTM SECURITY-ET              | ABS       |            | 20180924   | 10.0 | 65  | 72  | 178   | 76     | 2.54 | 9.4 | 4.7  | 3.3 | 2.02 | 2.77 | 0.94 | 0.85  | 76     | 2.7 | 3.6 | 2892 |
| HO840003146618135   |                              | SexTech   |            | 20181230   | 9.6  | 68  | 90  | 235   | 76     | 2.69 | 8.7 | 4.7  | 3.0 | 1.45 | 2.39 | 0.85 | -1.14 | 73     | 3.0 | 5.9 | 2891 |

| Registration Number | Name                           | Requester | NAAB code  | Birth Date | GFI  | Pro | Fat | Yield |        |      |     |     |     |      |      | Type |       |        |     |     |      |
|---------------------|--------------------------------|-----------|------------|------------|------|-----|-----|-------|--------|------|-----|-----|-----|------|------|------|-------|--------|-----|-----|------|
|                     |                                |           |            |            |      |     |     | FE    | % Rel. | SCS  | PL  | LIV | FI  | PTAT | UDC  | FLC  | BWC   | % Rel. | DCE | DSB | GTPI |
| HO840003200815645   | CAL-ROY-AL DARTH 9156-ET       | ABS       |            | 20190122   | 9.6  | 89  | 82  | 238   | 75     | 2.77 | 7.1 | 2.7 | 1.0 | 2.15 | 2.71 | 1.25 | 0.08  | 73     | 3.2 | 4.6 | 2891 |
| HO840003146618227   |                                | SexTech   |            | 20190115   | 9.4  | 80  | 101 | 257   | 77     | 2.83 | 7.5 | 4.1 | 1.6 | 1.71 | 2.23 | 0.38 | -1.77 | 75     | 2.6 | 3.6 | 2890 |
| HO840003149391871   |                                | Select    |            | 20181106   | 9.0  | 70  | 84  | 202   | 75     | 2.59 | 9.1 | 3.0 | 2.0 | 2.11 | 2.57 | 1.78 | 0.06  | 72     | 3.8 | 3.6 | 2890 |
| HO840003200059933   | SSI-TOG Y019                   | Select    |            | 20190101   | 9.4  | 68  | 126 | 266   | 74     | 2.64 | 6.5 | 2.6 | 1.2 | 1.84 | 1.82 | 0.83 | 0.46  | 72     | 4.8 | 4.2 | 2889 |
| HOCAN000012949010   | PROGENESIS MAESTRO-ET          | Semex     | 200HO11330 | 20171205   | 9.9  | 64  | 91  | 203   | 76     | 2.76 | 7.0 | 3.2 | 2.5 | 2.59 | 2.76 | 1.78 | 0.57  | 74     | 3.2 | 4.0 | 2889 |
| HO840003145444872   |                                | Select    |            | 20190115   | 9.5  | 89  | 103 | 267   | 74     | 2.76 | 6.4 | 2.4 | 1.1 | 1.82 | 1.43 | 1.35 | -0.64 | 72     | 2.9 | 4.2 | 2888 |
| HO840003146616683   |                                | SexTech   | 551HO03808 | 20180501   | 9.6  | 55  | 89  | 193   | 77     | 2.49 | 8.8 | 4.1 | 2.9 | 2.35 | 2.73 | 0.95 | 0.02  | 76     | 3.2 | 4.4 | 2888 |
| HO840003200124386   | SIEMERS SOLUTION ROZY-ET       | Select    |            | 20181201   | 9.5  | 47  | 87  | 187   | 76     | 2.50 | 8.7 | 5.2 | 2.3 | 2.11 | 3.18 | 2.08 | -0.44 | 73     | 2.4 | 3.3 | 2888 |
| HO840003199699593   | WELCOME DENARO 4127-ET         | Select    |            | 20190211   | 9.2  | 49  | 88  | 199   | 76     | 2.55 | 9.0 | 5.1 | 4.4 | 1.48 | 2.15 | 1.31 | -0.37 | 73     | 1.9 | 3.0 | 2887 |
| HO840003147118759   |                                | GeneSeek  |            | 20190207   | 9.7  | 73  | 95  | 235   | 74     | 2.69 | 7.9 | 2.7 | 3.3 | 1.50 | 1.97 | 0.47 | -1.28 | 72     | 3.4 | 3.8 | 2885 |
| HO840003200059941   | SSI-TOG Y031                   | Select    |            | 20190103   | 10.0 | 65  | 111 | 246   | 74     | 2.62 | 7.6 | 4.8 | 2.2 | 1.39 | 1.68 | 1.67 | 0.00  | 72     | 5.5 | 4.6 | 2885 |
| HO840003200059944   | SSI-TOG Y034                   | Select    |            | 20190103   | 9.9  | 73  | 112 | 250   | 74     | 2.51 | 7.9 | 4.2 | 1.7 | 1.27 | 1.24 | 1.32 | 0.34  | 72     | 4.6 | 5.4 | 2885 |
| HO840003200270237   | LADYS-MANOR ROLL-N-LAUGH-ET    | Select    | 007HO14915 | 20180815   | 9.9  | 66  | 93  | 204   | 76     | 2.77 | 6.6 | 2.0 | 2.3 | 2.82 | 2.26 | 1.79 | 1.46  | 74     | 1.5 | 1.9 | 2885 |
| HOCAN000013127754   | WESTCOAST FABULOUS REMEMB 2755 | Semex     | 200HO11659 | 20181017   | 9.4  | 69  | 89  | 202   | 76     | 2.68 | 7.5 | 1.7 | 2.5 | 2.46 | 2.55 | 0.99 | 0.82  | 75     | 2.2 | 2.2 | 2885 |
| HO840003150607567   | DENOVO 15487 HENNING-ET        | ABS       | 029HO19223 | 20181121   | 9.8  | 75  | 101 | 241   | 76     | 2.81 | 5.8 | 0.2 | 1.6 | 2.19 | 2.76 | 1.66 | -0.20 | 73     | 3.7 | 4.2 | 2884 |
| HO840003200059744   | SSI-TOG X452                   | Select    |            | 20181115   | 9.3  | 63  | 102 | 214   | 74     | 2.44 | 7.3 | 3.7 | 1.0 | 2.07 | 2.25 | 1.54 | 0.77  | 71     | 2.5 | 2.1 | 2884 |
| HO840003201124981   |                                | ABS       |            | 20190204   | 9.0  | 71  | 87  | 222   | 75     | 2.66 | 8.9 | 4.8 | 2.0 | 1.53 | 2.45 | 1.37 | -0.65 | 72     | 2.9 | 4.0 | 2884 |
| HO840003205428537   | SSI-TOG Y515                   | Select    |            | 20190107   | 9.4  | 72  | 121 | 257   | 74     | 2.62 | 6.5 | 4.1 | 1.4 | 1.52 | 1.50 | 0.84 | 0.17  | 71     | 4.1 | 4.1 | 2884 |
| HO840003132353263   | ROSYLANE-LLC 79429-ET          | GenVis    |            | 20170815   | 8.0  | 61  | 115 | 245   | 76     | 2.78 | 7.3 | 2.6 | 3.0 | 1.84 | 2.06 | 0.67 | -0.78 | 73     | 3.8 | 4.3 | 2883 |
| HO840003132353754   |                                | GenVis    |            | 20171216   | 10.5 | 49  | 98  | 193   | 77     | 2.70 | 8.0 | 3.4 | 3.2 | 2.62 | 2.99 | 1.36 | 0.32  | 75     | 3.7 | 4.7 | 2883 |
| HOUSA000074117395   | K-STYLE TARINO SPARTACUS-ET    | Select    | 507HO14674 | 20180410   | 9.5  | 59  | 95  | 210   | 77     | 2.89 | 6.1 | 1.1 | 3.4 | 3.02 | 2.84 | 1.68 | 0.07  | 76     | 3.2 | 4.7 | 2883 |
| HO840003005586949   |                                | Select    |            | 20181004   | 9.2  | 69  | 114 | 254   | 75     | 2.70 | 7.3 | 2.3 | 1.2 | 1.86 | 2.03 | 1.45 | -0.30 | 73     | 4.0 | 4.1 | 2882 |
| HO840003146617506   | STGEN 84444-ET                 | SexTech   |            | 20180914   | 10.1 | 70  | 83  | 200   | 74     | 2.62 | 7.6 | 1.1 | 2.8 | 2.44 | 2.52 | 1.15 | 0.22  | 71     | 2.4 | 3.7 | 2882 |
| HO840003200824285   | PEAK MD9619 HOTJB 81642-ET     | Alta      |            | 20190121   | 10.3 | 61  | 90  | 208   | 73     | 2.72 | 7.3 | 3.8 | 3.1 | 2.28 | 2.60 | 1.84 | -0.14 | 72     | 4.6 | 4.7 | 2882 |
| HO840003204456788   | MR KENOBI RADICAL-ET           | ABS       |            | 20190208   | 9.8  | 59  | 102 | 230   | 76     | 2.77 | 7.4 | 3.3 | 3.3 | 1.73 | 2.28 | 0.79 | -0.83 | 74     | 2.0 | 2.9 | 2882 |
| HO840003007971560   |                                | SexTech   |            | 20181210   | 9.3  | 71  | 81  | 209   | 76     | 2.62 | 8.5 | 2.4 | 4.0 | 1.87 | 2.02 | 0.27 | -0.53 | 73     | 2.5 | 3.4 | 2881 |
| HO840003146616447   | DELICIOUS HN METZ-ET           | SexTech   | 551HO03834 | 20180401   | 9.1  | 62  | 75  | 198   | 77     | 2.66 | 9.0 | 4.1 | 4.5 | 2.03 | 2.27 | 1.07 | -0.24 | 75     | 3.8 | 4.5 | 2881 |
| HO840003150607286   | DENOVO 15206 FONDA-ET          | ABS       | 029HO19090 | 20180708   | 9.8  | 71  | 90  | 209   | 77     | 2.55 | 7.3 | 2.1 | 2.5 | 2.46 | 2.32 | 1.43 | 0.73  | 75     | 6.1 | 5.2 | 2881 |
| HO840003150997179   | FLY-HIGHER 168                 | Select    |            | 20190219   | 9.7  | 78  | 90  | 232   | 74     | 2.85 | 6.5 | 2.5 | 2.7 | 2.04 | 2.02 | 1.61 | 0.25  | 72     | 3.3 | 3.7 | 2881 |
| HO840003200124110   | SIEMERS ROLAN ROSKOZ-ET        | Select    |            | 20181001   | 9.5  | 60  | 94  | 217   | 76     | 2.80 | 8.5 | 3.1 | 2.1 | 2.35 | 2.67 | 1.61 | -0.91 | 74     | 1.5 | 2.4 | 2881 |
| HO840003201862812   | WINSTAR HONDA 2107-ET          | ABS       |            | 20181118   | 7.8  | 63  | 112 | 245   | 75     | 2.75 | 6.5 | 2.4 | 2.0 | 1.70 | 2.45 | 1.64 | -0.53 | 73     | 4.2 | 4.3 | 2881 |
| HO840003147223731   |                                | GeneSeek  |            | 20180720   | 9.2  | 66  | 93  | 219   | 73     | 2.64 | 7.4 | 3.0 | 1.6 | 2.54 | 2.56 | 1.39 | -0.22 | 71     | 2.8 | 3.2 | 2880 |
| HO840003202241126   | BOMAZ KENOBI 2544-ET           | GeneSeek  |            | 20181214   | 8.8  | 71  | 90  | 231   | 76     | 2.96 | 7.3 | 3.0 | 2.5 | 1.97 | 2.66 | 1.53 | -0.56 | 73     | 1.9 | 3.8 | 2880 |
| HO840003204164807   | DENOVO 15569 HIGLEY-ET         | ABS       | 029HO19242 | 20181227   | 8.9  | 74  | 119 | 269   | 76     | 2.76 | 7.3 | 2.0 | 1.2 | 1.73 | 1.68 | 0.88 | -0.35 | 73     | 2.9 | 4.3 | 2880 |
| HO840003132352541   | MR SUPERHERO DEDICATE-ET       | GenVis    | 551HO03590 | 20170315   | 9.7  | 66  | 89  | 227   | 80     | 2.71 | 8.7 | 4.3 | 3.9 | 1.63 | 2.33 | 0.21 | -1.11 | 78     | 3.9 | 6.0 | 2879 |
| HO840003149150073   | CO-OP DD SAMSUNG HOTMAIL-ET    | Genex     |            | 20181219   | 9.0  | 61  | 113 | 250   | 73     | 2.60 | 9.2 | 5.0 | 2.0 | 0.91 | 1.71 | 1.42 | -0.71 | 71     | 4.2 | 4.3 | 2879 |
| HO840003149934557   | PLAIN-KNOLL SKYWLK 10849-ET    | ABS       |            | 20181213   | 9.9  | 81  | 103 | 247   | 77     | 2.70 | 6.3 | 0.8 | 0.5 | 2.48 | 2.08 | 1.25 | 0.54  | 74     | 2.3 | 3.3 | 2879 |
| HOCAN000012857690   | PINE-TREE-I PURSUIT-ET         | Semex     | 200HO11186 | 20170803   | 9.6  | 66  | 79  | 191   | 77     | 2.59 | 8.9 | 2.7 | 3.4 | 2.31 | 2.01 | 1.28 | 0.57  | 76     | 1.9 | 3.2 | 2879 |
| HO840003132353795   |                                | GenVis    |            | 20171223   | 10.0 | 60  | 110 | 221   | 76     | 2.82 | 6.0 | 2.6 | 1.8 | 2.73 | 2.59 | 1.58 | 0.65  | 74     | 3.4 | 3.1 | 2878 |
| HO840003140616346   | SANDY-VALLEY EISAKU-ET         | Select    | 507HO14364 | 20170623   | 9.3  | 63  | 101 | 215   | 77     | 2.85 | 6.6 | 2.9 | 2.6 | 2.45 | 2.10 | 2.03 | 0.47  | 76     | 2.7 | 2.9 | 2878 |
| HO840003142352961   | S-S-I PR RENEGADE-ET           | Select    | 550HO14134 | 20170326   | 9.5  | 73  | 104 | 233   | 76     | 2.72 | 5.4 | 2.6 | 2.3 | 2.09 | 1.72 | 1.71 | 0.88  | 76     | 3.7 | 4.6 | 2878 |
| HO840003148279833   | AARDEMA SICARIO-ET             | Select    |            | 20181110   | 9.4  | 53  | 90  | 187   | 75     | 2.69 | 7.7 | 3.2 | 2.8 | 2.15 | 2.72 | 2.11 | -0.42 | 72     | 0.6 | 1.7 | 2878 |
| HO840003132353658   | TJR 79824-ET                   | SexTech   | 551HO03788 | 20171118   | 9.9  | 72  | 83  | 210   | 77     | 2.76 | 7.3 | 3.4 | 3.8 | 1.98 | 2.72 | 0.06 | -0.14 | 76     | 4.3 | 4.3 | 2877 |
| HO840003142704563   | GENOSOURCE RUBICAL-ET          | Zoetis    |            | 20180527   | 9.5  | 63  | 98  | 236   | 76     | 2.99 | 8.8 | 5.0 | 3.4 | 1.73 | 2.07 | 1.16 | -0.96 | 75     | 2.8 | 3.6 | 2877 |
| HO840003149513993   | CLEAR-ECHO EINSTEIN 1202       | Select    |            | 20190205   | 10.5 | 53  | 96  | 202   | 75     | 2.63 | 7.5 | 2.4 | 2.7 | 2.48 | 2.77 | 1.52 | 0.43  | 73     | 3.5 | 2.3 | 2877 |
| HO840003149798696   | MAPLEHURST DELROY TORRO-ET     | Genex     |            | 20180811   | 9.6  | 73  | 110 | 265   | 76     | 2.83 | 7.1 | 2.5 | 1.9 | 1.54 | 1.99 | 0.73 | -1.08 | 74     | 2.7 | 3.2 | 2877 |
| HO840003150607402   | DENOVO 15322 LIBERTY-ET        | ABS       | 029HO19148 | 20180911   | 9.6  | 68  | 121 | 276   | 77     | 2.82 | 6.8 | 3.0 | 2.0 | 1.33 | 1.47 | 0.98 | -1.11 | 74     | 2.6 | 2.5 | 2877 |
| HO840003201118934   | CHERRYPENCOL REALITY-ET        | Semex     |            | 20181221   | 10.6 | 58  | 86  | 200   | 76     | 2.67 | 9.0 | 4.8 | 3.7 | 1.74 | 2.56 | 0.99 | -0.02 | 74     | 3.7 | 4.5 | 2877 |
| HO840003146617482   |                                | SexTech   |            | 20180908   | 9.2  | 73  | 98  | 249   | 76     | 2.84 | 7.0 | 3.3 | 2.7 | 1.83 | 2.13 | 0.65 | -1.02 | 74     | 3.3 | 4.3 | 2876 |
| HO840003150899574   | SSI-BERRYRIDGE 3750            | Select    |            | 20181005   | 9.3  | 58  | 101 | 215   | 75     | 2.70 | 7.4 | 3.6 | 1.9 | 2.05 | 2.66 | 1.71 | 0.15  | 72     | 2.7 | 3.0 | 2876 |
| HO840003200059546   |                                | GeneSeek  |            | 20180923   | 9.1  | 62  | 109 | 237   | 72     | 2.68 | 8.2 | 2.6 | 3.1 | 1.49 | 1.73 | 0.70 | -0.43 | 70     | 2.9 | 3.4 | 2876 |
| HO840003200824505   | PEAK MARUS PLINKO-ET           | Genex     |            | 20181017   | 10.4 | 85  | 111 | 281   | 76     | 2.71 | 6.9 | 2.4 | 3.0 | 0.75 | 0.73 | 0.24 | -0.74 | 73     | 4.0 | 4.6 | 2876 |
| HO840003205251413   |                                | Select    |            | 20190130   | 9.6  | 82  | 103 | 256   | 75     | 2.72 | 7.5 | 3.7 | 2.7 | 1.31 | 1.07 | 0.75 | -0.52 | 73     | 4.7 | 4.5 | 2876 |
| HO840003144934524   | MELARRY RESOLVE TRY ME-ET      | Select    | 014HO14636 | 20180117   | 8.6  | 74  | 75  | 203   | 77     | 2.65 | 9.2 | 3.3 | 4.1 | 1.75 | 1.81 | 0.51 | 0.29  | 76     | 2.8 | 4.1 | 2875 |



| Registration Number | Name                          | Requester | NAAB code  | Birth Date | GFI  | Pro | Fat | Yield |        |      |     |     |     |      |      | Type  |       |        |     |     |      |
|---------------------|-------------------------------|-----------|------------|------------|------|-----|-----|-------|--------|------|-----|-----|-----|------|------|-------|-------|--------|-----|-----|------|
|                     |                               |           |            |            |      |     |     | FE    | % Rel. | SCS  | PL  | LIV | FI  | PTAT | UDC  | FLC   | BWC   | % Rel. | DCE | DSB | GTPI |
| HO840003146616986   | ST GEN 83924-ET               | SexTech   | 551HO03842 | 20180618   | 9.5  | 70  | 98  | 241   | 78     | 2.71 | 8.0 | 4.2 | 2.6 | 1.44 | 1.88 | 0.93  | -1.22 | 75     | 3.6 | 3.1 | 2875 |
| HO840003146617551   |                               | SexTech   |            | 20180924   | 10.0 | 59  | 93  | 212   | 75     | 2.65 | 8.6 | 4.7 | 3.7 | 1.88 | 2.07 | 0.40  | -0.50 | 73     | 2.5 | 4.6 | 2875 |
| HO840003146618018   |                               | SexTech   |            | 20181212   | 8.7  | 57  | 90  | 196   | 76     | 2.57 | 7.6 | 4.3 | 3.6 | 1.87 | 2.58 | 0.82  | 0.87  | 74     | 3.5 | 4.6 | 2875 |
| HO840003150457506   | SSI-PRESTON 196               | Select    |            | 20190205   | 9.2  | 68  | 113 | 243   | 74     | 2.61 | 7.3 | 3.2 | 3.4 | 1.04 | 1.19 | 0.55  | 0.01  | 71     | 4.2 | 4.0 | 2875 |
| HO840003199701904   | OCD CHALLENGER FORSBERG-ET    | Semex     |            | 20181209   | 10.2 | 58  | 106 | 229   | 75     | 2.82 | 7.6 | 3.6 | 2.8 | 1.99 | 2.41 | 1.16  | -0.41 | 72     | 3.5 | 4.1 | 2875 |
| HO840003202070631   |                               | GeneSeek  |            | 20181027   | 9.2  | 51  | 101 | 219   | 73     | 2.70 | 8.2 | 3.6 | 3.3 | 1.84 | 2.47 | 1.20  | -0.59 | 72     | 2.9 | 3.7 | 2875 |
| HO840003202241099   | BOMAZ SUPERBOWL-ET            | GeneSeek  |            | 20181020   | 9.5  | 69  | 85  | 229   | 75     | 2.67 | 8.1 | 2.9 | 2.7 | 1.74 | 2.20 | 1.14  | -1.22 | 72     | 1.8 | 2.4 | 2875 |
| HO840003202241122   | BOMAZ KENOBI 2540-ET          | GeneSeek  |            | 20181209   | 9.5  | 65  | 100 | 235   | 76     | 2.82 | 8.3 | 3.6 | 3.2 | 1.62 | 1.94 | 0.65  | -0.41 | 74     | 2.2 | 3.3 | 2875 |
| HO840003202794372   | SSI-DUCKETT 9921              | Select    |            | 20181002   | 8.4  | 71  | 96  | 227   | 75     | 2.64 | 7.8 | 1.9 | 1.4 | 2.24 | 2.51 | 1.67  | -0.18 | 74     | 4.8 | 5.1 | 2875 |
| HO840003204164761   | DENOVO 15523 KESSLER-ET       | ABS       | 029HO19234 | 20181214   | 9.2  | 71  | 76  | 202   | 76     | 2.59 | 8.7 | 3.8 | 2.7 | 1.84 | 2.53 | 0.93  | 0.26  | 73     | 2.4 | 4.0 | 2875 |
| HO840003203346580   |                               | GeneSeek  |            | 20181229   | 8.8  | 56  | 79  | 178   | 73     | 2.62 | 8.6 | 6.3 | 4.9 | 1.14 | 2.10 | 1.50  | 0.53  | 70     | 3.8 | 2.5 | 2874 |
| HO840003137942621   |                               | GeneSeek  |            | 20181026   | 10.0 | 75  | 99  | 243   | 73     | 2.77 | 7.6 | 1.9 | 3.0 | 1.71 | 1.64 | 0.42  | 0.00  | 71     | 2.6 | 3.4 | 2873 |
| HO840003139887743   |                               | Select    |            | 20190103   | 9.5  | 62  | 105 | 223   | 75     | 2.70 | 8.2 | 4.1 | 1.5 | 1.96 | 2.13 | 2.23  | 0.22  | 72     | 4.5 | 3.7 | 2873 |
| HO840003146616075   | GENOSOURCE GUZMAN-ET          | SexTech   |            | 20180211   | 9.6  | 77  | 100 | 239   | 76     | 2.74 | 7.5 | 2.7 | 2.0 | 1.73 | 1.56 | 1.58  | 0.15  | 74     | 3.7 | 4.0 | 2873 |
| HO840003151340812   | AOT HERITAGE-ET               | Semex     |            | 20180712   | 9.1  | 58  | 102 | 230   | 77     | 2.75 | 7.1 | 1.5 | 2.7 | 2.35 | 3.04 | 0.97  | -0.80 | 75     | 4.6 | 5.3 | 2873 |
| HO840003151783891   | WELCOME 5635                  | Select    |            | 20190211   | 9.9  | 71  | 95  | 208   | 74     | 2.55 | 7.0 | 2.6 | 2.3 | 2.00 | 2.00 | 1.38  | 1.41  | 72     | 3.9 | 4.6 | 2873 |
| HO840003201829387   |                               | ABS       |            | 20190209   | 9.0  | 72  | 101 | 242   | 75     | 2.76 | 7.3 | 4.0 | 2.6 | 1.63 | 1.83 | 0.45  | -0.39 | 72     | 2.8 | 3.7 | 2873 |
| HO840003201859472   | OCD BASIC FIERCE-ET           | Select    |            | 20190122   | 9.7  | 47  | 86  | 170   | 76     | 2.55 | 7.4 | 2.6 | 3.2 | 2.74 | 3.32 | 2.13  | 1.07  | 73     | 4.6 | 5.2 | 2873 |
| HO840003202985603   | AURORA SOLUTION 713-ET        | Select    |            | 20181125   | 10.3 | 59  | 109 | 218   | 75     | 2.73 | 7.3 | 3.5 | 2.0 | 2.21 | 2.33 | 1.47  | 0.22  | 73     | 3.6 | 3.7 | 2873 |
| HO840003148918722   | FARNEAR JUMPSTART-ET          | GenVis    |            | 20180315   | 9.7  | 67  | 88  | 226   | 75     | 2.75 | 8.8 | 4.4 | 3.4 | 1.52 | 1.70 | 1.63  | -1.18 | 73     | 2.9 | 4.5 | 2872 |
| HO840003150687234   | PINE-TREE STETSON-ET          | ABS       |            | 20180910   | 9.5  | 75  | 76  | 217   | 77     | 2.69 | 8.2 | 2.9 | 2.9 | 1.77 | 2.16 | 0.84  | -0.28 | 75     | 1.0 | 2.0 | 2872 |
| HO840003151787851   | BLUMENFELD BLUECHIP-ET        | Semex     |            | 20180727   | 8.7  | 63  | 112 | 233   | 78     | 2.45 | 7.6 | 3.5 | 1.5 | 1.84 | 1.62 | 1.47  | 0.47  | 75     | 5.0 | 4.3 | 2872 |
| HO840003200059849   | SSI-TOG X123                  | Select    |            | 20181210   | 10.3 | 58  | 110 | 230   | 75     | 2.62 | 8.5 | 3.9 | 1.3 | 2.27 | 2.53 | 1.26  | -0.36 | 73     | 5.8 | 4.6 | 2872 |
| HO840003200824743   | PEAK PLRS HOTJB 62050-ET      | Alta      |            | 20190120   | 9.8  | 73  | 80  | 206   | 73     | 2.64 | 8.2 | 3.4 | 2.5 | 2.17 | 2.28 | 0.99  | 0.75  | 72     | 2.8 | 3.5 | 2872 |
| HOCAN000013269350   | PEAK POSITIVE 3576-ET         | Semex     |            | 20181203   | 9.6  | 73  | 121 | 263   | 75     | 2.92 | 5.2 | 0.7 | 0.7 | 2.35 | 2.51 | 1.07  | 0.34  | 72     | 3.1 | 4.5 | 2872 |
| HO840003142704356   |                               | GenVis    |            | 20171117   | 9.5  | 51  | 87  | 193   | 76     | 2.74 | 7.5 | 4.1 | 2.5 | 2.67 | 3.45 | 1.85  | -0.20 | 75     | 3.6 | 4.0 | 2871 |
| HO840003145627326   | DENOVO 14652 ROYAL-ET         | ABS       | 029HO18903 | 20171124   | 9.1  | 77  | 129 | 290   | 79     | 3.11 | 4.2 | 0.1 | 1.3 | 2.10 | 2.29 | 0.86  | -0.60 | 78     | 4.1 | 4.6 | 2871 |
| HO840003150607463   | DENOVO 15383 HARVEY-ET        | ABS       | 029HO19192 | 20181102   | 8.9  | 53  | 89  | 204   | 76     | 2.62 | 8.3 | 3.7 | 3.1 | 1.82 | 2.98 | 1.31  | -0.56 | 74     | 3.4 | 3.7 | 2871 |
| HO840003200059483   |                               | GeneSeek  |            | 20180819   | 9.4  | 56  | 71  | 167   | 73     | 2.63 | 7.9 | 3.6 | 3.7 | 2.43 | 3.05 | 1.25  | 0.45  | 72     | 1.7 | 2.2 | 2871 |
| HO840003201862898   | WINSTAR AUZZI-ET              | ABS       |            | 20190103   | 9.5  | 73  | 117 | 287   | 75     | 2.85 | 6.6 | 2.8 | 2.1 | 0.91 | 1.45 | 0.93  | -1.65 | 72     | 3.0 | 2.4 | 2871 |
| HO840003202074653   | REGAN-DANHOF C 12988-ET       | Semex     |            | 20190104   | 10.1 | 63  | 92  | 211   | 76     | 2.72 | 7.2 | 0.6 | 2.8 | 2.62 | 2.92 | 0.88  | -0.02 | 74     | 3.0 | 4.6 | 2871 |
| HO840003139490455   | FUSTEAD S-S-I SOLUTION-ET     | Select    | 614HO14085 | 20170222   | 8.9  | 68  | 110 | 236   | 78     | 2.63 | 7.1 | 3.0 | 0.5 | 2.08 | 1.94 | 1.95  | -0.04 | 76     | 3.2 | 3.1 | 2870 |
| HO840003148100370   | AURORA LEDYARD                | Select    | 507HO14592 | 20180117   | 9.2  | 55  | 91  | 199   | 77     | 2.83 | 8.6 | 4.2 | 2.8 | 2.47 | 2.59 | 2.16  | 0.05  | 76     | 3.3 | 3.6 | 2870 |
| HO840003149432426   | WINSTAR JUICY MILLENIAL-ET    | Genex     | 001HO14107 | 20180611   | 9.4  | 59  | 86  | 215   | 76     | 2.72 | 7.8 | 4.4 | 3.5 | 1.82 | 2.75 | 1.11  | -0.93 | 74     | 3.4 | 5.5 | 2870 |
| HO840003144905815   | OCD PINNACLE DIESEL-ET        | Select    | 507HO14588 | 20171209   | 9.2  | 58  | 80  | 195   | 77     | 2.81 | 8.1 | 4.6 | 2.5 | 2.80 | 3.33 | 1.36  | -0.70 | 76     | 3.4 | 3.1 | 2869 |
| HO840003146617607   |                               | SexTech   |            | 20181010   | 8.7  | 60  | 101 | 223   | 75     | 2.75 | 7.8 | 2.2 | 3.2 | 1.58 | 2.25 | 1.23  | -0.72 | 72     | 2.4 | 3.6 | 2869 |
| HO840003151004161   | LEANINGHOUSE CMPLT 26492-ET   | HO        |            | 20181211   | 10.2 | 54  | 72  | 167   | 75     | 2.73 | 8.4 | 4.6 | 4.8 | 2.18 | 2.62 | 1.20  | 0.86  | 73     | 2.3 | 2.0 | 2869 |
| HO840003200059728   |                               | GeneSeek  |            | 20181111   | 9.5  | 68  | 77  | 202   | 73     | 2.63 | 7.6 | 2.5 | 4.0 | 1.99 | 2.25 | 0.98  | -0.22 | 70     | 4.1 | 2.8 | 2869 |
| HO840003200768015   | VATLAND MASTERCARD-ET         | Semex     |            | 20181118   | 10.7 | 85  | 88  | 235   | 77     | 2.64 | 7.0 | 1.5 | 2.1 | 1.84 | 1.96 | 0.37  | 0.51  | 74     | 3.2 | 3.9 | 2869 |
| HO840003202157378   | TTM KENOBI BANDIT-ET          | ABS       |            | 20190212   | 9.7  | 59  | 95  | 225   | 75     | 2.70 | 8.1 | 4.5 | 4.5 | 0.77 | 1.70 | 0.75  | -0.52 | 73     | 1.9 | 2.6 | 2869 |
| HO840003142704435   |                               | GenVis    |            | 20180124   | 9.7  | 54  | 105 | 228   | 76     | 2.80 | 8.1 | 3.6 | 2.3 | 2.28 | 2.70 | 1.50  | -0.86 | 75     | 4.3 | 4.5 | 2868 |
| HO840003150451960   | FAIRMONT 6003-ET              | Genex     |            | 20180304   | 9.0  | 66  | 101 | 228   | 77     | 2.73 | 6.7 | 3.2 | 1.8 | 2.42 | 2.37 | 1.29  | 0.54  | 75     | 3.3 | 5.5 | 2868 |
| HO840003199701886   | OCD POSITIVE SILVERCHAIR-ET   | Semex     |            | 20181204   | 8.7  | 61  | 117 | 253   | 76     | 2.76 | 6.2 | 1.9 | 3.5 | 1.68 | 1.83 | -0.05 | -0.20 | 74     | 3.5 | 3.5 | 2868 |
| HO840003201862905   | WINSTAR GALILEO-ET            | ABS       |            | 20190110   | 8.6  | 72  | 122 | 263   | 75     | 2.68 | 7.6 | 2.5 | 0.4 | 1.47 | 1.89 | 0.98  | -0.30 | 72     | 3.7 | 3.6 | 2868 |
| HO840003201862940   | WINSTAR KENOBI 2235-ET        | ABS       |            | 20190125   | 8.7  | 58  | 103 | 223   | 75     | 2.59 | 7.8 | 4.2 | 2.8 | 1.53 | 2.04 | 1.07  | 0.43  | 72     | 3.5 | 4.2 | 2868 |
| HO840003134739780   | COOKIECUTTER FORTUNE 12461-ET | Semex     |            | 20170806   | 9.1  | 54  | 89  | 184   | 77     | 2.57 | 7.1 | 3.1 | 2.7 | 2.54 | 2.70 | 2.04  | 1.18  | 76     | 3.8 | 4.1 | 2867 |
| HO840003145444877   | SSI-HOMESTEAD 287             | Select    |            | 20190121   | 9.0  | 79  | 108 | 256   | 74     | 2.79 | 5.9 | 3.1 | 0.1 | 2.29 | 2.17 | 1.11  | -0.53 | 72     | 3.0 | 3.0 | 2867 |
| HO840003205251353   |                               | Select    |            | 20181223   | 9.2  | 81  | 106 | 252   | 74     | 2.74 | 5.5 | 1.1 | 1.2 | 2.18 | 1.53 | 1.73  | 0.56  | 71     | 3.9 | 3.5 | 2867 |
| HOUSA00023EWS8849   |                               | SexTech   |            | 20190219   | 9.8  | 77  | 92  | 229   | 75     | 2.70 | 7.0 | 2.8 | 3.0 | 1.62 | 2.04 | 0.52  | 0.21  | 72     | 4.2 | 5.2 | 2867 |
| HO840003143060882   | DENOVO 2981 SHELDON-ET        | ABS       | 029HO19194 | 20181020   | 9.0  | 62  | 111 | 246   | 77     | 2.82 | 8.2 | 3.3 | 1.9 | 1.89 | 1.78 | 1.72  | -1.09 | 75     | 3.4 | 2.7 | 2866 |
| HO840003145628940   | DENOVO 9367 BUNDLE-ET         | ABS       | 029HO18937 | 20171127   | 9.3  | 61  | 111 | 241   | 77     | 2.75 | 7.1 | 3.5 | 2.1 | 1.79 | 2.19 | 1.13  | -0.26 | 75     | 3.8 | 3.9 | 2866 |
| HO840003147223513   | S-S-I DELROY BIGGELO-ET       | Select    | 550HO14633 | 20180109   | 9.5  | 67  | 115 | 254   | 76     | 2.68 | 5.7 | 0.8 | 1.5 | 1.99 | 2.25 | 0.99  | -0.16 | 74     | 3.5 | 4.4 | 2866 |
| HO840003151003993   | LEANINGHOUSE PRSPS 26324-ET   | HO        |            | 20181228   | 9.6  | 78  | 99  | 223   | 75     | 2.62 | 6.7 | 2.4 | 0.5 | 2.70 | 2.42 | 0.58  | 1.37  | 73     | 3.0 | 4.9 | 2866 |
| HO840003149513988   | CLEAR-ECHO TAHITI 1197-ET     | Select    |            | 20190122   | 10.5 | 59  | 95  | 204   | 75     | 2.88 | 6.5 | 2.3 | 2.6 | 2.86 | 3.14 | 1.63  | 0.31  | 73     | 4.8 | 4.3 | 2865 |

| Registration Number | Name                        | Requester | NAAB code  | Birth Date | GFI  | Pro | Fat | Yield |        |      |     |     |     |      |      | Type  |       |        |     |     |      |
|---------------------|-----------------------------|-----------|------------|------------|------|-----|-----|-------|--------|------|-----|-----|-----|------|------|-------|-------|--------|-----|-----|------|
|                     |                             |           |            |            |      |     |     | FE    | % Rel. | SCS  | PL  | LIV | FI  | PTAT | UDC  | FLC   | BWC   | % Rel. | DCE | DSB | GTPI |
| HO840003200059782   | SSI-TOG X107                | Select    |            | 20181205   | 9.5  | 55  | 86  | 183   | 75     | 2.47 | 9.4 | 4.9 | 3.0 | 2.06 | 2.43 | 1.20  | 0.53  | 73     | 4.8 | 4.3 | 2865 |
| HO840003200825084   | PEAK EXCTA LWSON 4240-ET    | Alta      |            | 20190221   | 9.2  | 56  | 106 | 226   | 73     | 2.58 | 7.1 | 2.6 | 3.2 | 1.73 | 1.88 | 1.35  | 0.68  | 72     | 4.0 | 4.8 | 2865 |
| HO840003206205249   | SSI-DUCKETT 10323           | Select    |            | 20190215   | 9.3  | 61  | 95  | 212   | 74     | 2.67 | 7.7 | 2.3 | 2.3 | 2.29 | 2.68 | 1.60  | 0.20  | 71     | 4.7 | 4.5 | 2865 |
| HONLD000648499264   | PEAK ALTABONANZA-ET         | Alta      | 011HO12411 | 20180704   | 9.1  | 63  | 101 | 226   | 77     | 2.63 | 7.6 | 4.5 | 3.3 | 1.20 | 1.75 | 1.16  | -0.52 | 75     | 4.5 | 4.6 | 2865 |
| HO840003140185118   | EILDON TWEED RIVET MONEY-ET | Select    |            | 20190209   | 10.0 | 72  | 98  | 224   | 75     | 2.77 | 7.5 | 2.4 | 2.0 | 2.26 | 2.13 | 1.58  | 0.47  | 72     | 5.0 | 4.8 | 2864 |
| HO840003146617490   | DELICIOUS 84428-ET          | SexTech   |            | 20180909   | 10.4 | 53  | 82  | 188   | 76     | 2.70 | 8.8 | 5.5 | 4.6 | 1.94 | 2.33 | 0.50  | -0.48 | 73     | 2.1 | 3.6 | 2864 |
| HO840003200124181   | SIEMERS ROLAN ROMEROZ-ET    | Select    |            | 20181016   | 10.0 | 48  | 95  | 208   | 76     | 2.74 | 9.0 | 4.0 | 2.5 | 1.94 | 2.82 | 1.63  | -1.00 | 74     | 1.2 | 2.1 | 2864 |
| HO840003200825083   | LFD DDOLLY LWSON 4239-ET    | Alta      |            | 20190220   | 9.1  | 56  | 108 | 226   | 73     | 2.85 | 7.3 | 2.1 | 4.1 | 1.65 | 1.80 | 1.33  | 0.10  | 71     | 3.3 | 2.8 | 2864 |
| HO840003201859029   | OCD SOLUTION DIGGLER-ET     | Select    |            | 20181030   | 8.9  | 67  | 70  | 180   | 75     | 2.53 | 7.8 | 3.8 | 1.8 | 2.38 | 3.14 | 2.00  | 0.40  | 73     | 3.8 | 4.2 | 2864 |
| HO840003007971515   |                             | SexTech   |            | 20181218   | 8.9  | 60  | 103 | 231   | 76     | 2.55 | 8.2 | 3.0 | 3.6 | 1.14 | 1.32 | 1.16  | -0.55 | 73     | 3.4 | 3.7 | 2863 |
| HO840003143060773   | DENOVO 2872 PENSACOLA-ET    | ABS       | 029HO19117 | 20180627   | 9.5  | 71  | 98  | 247   | 77     | 2.95 | 6.9 | 2.8 | 3.3 | 1.37 | 1.79 | 1.17  | -1.29 | 75     | 2.0 | 2.7 | 2863 |
| HO840003148747695   | LEANINGHOUSE TORRANCE-ET    | HO        |            | 20180817   | 9.6  | 55  | 84  | 183   | 76     | 2.73 | 6.9 | 2.6 | 3.6 | 2.13 | 3.43 | 1.40  | 0.75  | 73     | 3.4 | 5.2 | 2863 |
| HO840003151004135   | LEANINGHOUSE SOLTN 26466-ET | HO        |            | 20181129   | 9.7  | 72  | 92  | 214   | 75     | 2.67 | 6.9 | 1.4 | 2.4 | 2.00 | 1.77 | 1.49  | 0.55  | 72     | 1.7 | 2.0 | 2863 |
| HO840003151767505   | JOOK SOLUTION 19487-ET      | Select    |            | 20181114   | 9.1  | 62  | 84  | 199   | 75     | 2.79 | 8.0 | 3.9 | 2.2 | 2.31 | 2.79 | 1.95  | -0.14 | 73     | 2.6 | 3.0 | 2863 |
| HO840003200824632   | PEAK CHROME CHLNDR 61939-ET | Alta      |            | 20181215   | 10.0 | 50  | 110 | 227   | 73     | 2.73 | 8.1 | 3.2 | 3.6 | 1.62 | 2.16 | 0.95  | -0.28 | 71     | 3.8 | 4.1 | 2863 |
| HO840003203845426   |                             | SexTech   |            | 20190205   | 9.8  | 55  | 109 | 227   | 75     | 2.70 | 8.1 | 2.7 | 3.3 | 1.63 | 1.97 | 1.02  | -0.41 | 72     | 3.7 | 4.1 | 2863 |
| HO840003204164895   | DENOVO 15657 OPTIMUM-ET     | ABS       |            | 20190125   | 9.2  | 80  | 117 | 264   | 79     | 2.80 | 7.2 | 2.9 | 1.6 | 1.30 | 1.37 | 0.11  | -0.18 | 78     | 3.1 | 3.7 | 2863 |
| HO840003123606896   | ST GEN NOBLE CZAR-ET        | GenVis    | 551HO03689 | 20180118   | 10.8 | 53  | 63  | 149   | 76     | 2.56 | 8.1 | 3.4 | 4.2 | 2.64 | 3.47 | 0.89  | 0.91  | 74     | 2.9 | 3.1 | 2862 |
| HO840003142704287   | TJR DELTA-WORTH DECISIVE-ET | GenVis    |            | 20170906   | 9.5  | 75  | 92  | 229   | 76     | 2.78 | 7.3 | 2.0 | 2.1 | 2.20 | 2.55 | 0.45  | -0.72 | 75     | 3.4 | 3.6 | 2862 |
| HO840003146202883   | GENOSOURCE NCAP RAVAGE-ET   | GenVis    |            | 20171021   | 9.9  | 74  | 82  | 219   | 76     | 2.75 | 6.2 | 2.6 | 1.6 | 2.64 | 2.79 | 1.75  | -0.26 | 75     | 3.8 | 4.0 | 2862 |
| HO840003146617174   | DELICIOUS 84112-ET          | GenVis    |            | 20180719   | 9.9  | 57  | 73  | 165   | 75     | 2.47 | 9.0 | 4.5 | 4.5 | 2.16 | 2.20 | 0.60  | 0.44  | 74     | 3.1 | 3.7 | 2862 |
| HO840003146618075   |                             | SexTech   |            | 20181220   | 9.5  | 56  | 110 | 226   | 74     | 2.54 | 7.4 | 3.6 | 2.8 | 1.43 | 1.85 | 0.74  | -0.15 | 71     | 3.4 | 3.2 | 2862 |
| HO840003148929319   | SANDY-VALLEY ERRATIC-ET     | Select    |            | 20190222   | 9.8  | 63  | 115 | 240   | 74     | 2.82 | 5.9 | 3.6 | 2.6 | 1.74 | 1.69 | 1.58  | 0.52  | 72     | 3.8 | 4.8 | 2862 |
| HO840003149513931   | CLEAR-ECHO SOLUTION 1140-ET | Select    |            | 20181013   | 9.3  | 96  | 97  | 265   | 75     | 2.83 | 6.0 | 2.3 | 1.1 | 1.46 | 1.66 | 0.58  | -0.31 | 74     | 3.8 | 3.4 | 2862 |
| HO840003150607556   | DENOVO 15476 HENDRIX-ET     | ABS       | 029HO19217 | 20181118   | 9.1  | 68  | 96  | 229   | 76     | 2.91 | 6.5 | 2.1 | 2.5 | 2.06 | 2.38 | 2.07  | 0.08  | 73     | 3.8 | 3.9 | 2862 |
| HO840003200824699   | PEAK PLRS LWSON 62006-ET    | Alta      |            | 20190102   | 9.5  | 66  | 106 | 224   | 73     | 2.56 | 8.3 | 3.3 | 2.6 | 1.54 | 1.43 | 0.17  | 1.14  | 72     | 2.1 | 3.2 | 2862 |
| HO840003200824753   | PEAK EXCTA LISON 62060-ET   | Alta      |            | 20190121   | 9.2  | 70  | 96  | 235   | 73     | 2.70 | 7.0 | 2.9 | 2.1 | 2.15 | 1.94 | 1.66  | -0.46 | 72     | 4.3 | 4.7 | 2862 |
| HO840003205703785   | SSI-TOG Y057                | Select    |            | 20190131   | 9.9  | 47  | 95  | 203   | 75     | 2.75 | 7.7 | 4.3 | 3.5 | 1.66 | 2.79 | 1.87  | -0.61 | 73     | 2.7 | 3.7 | 2862 |
| HO840003150607569   | DENOVO 15489 HOYT-ET        | ABS       | 029HO19225 | 20181123   | 8.9  | 66  | 81  | 200   | 75     | 2.66 | 7.0 | 1.2 | 2.5 | 2.10 | 2.85 | 2.18  | -0.06 | 73     | 3.7 | 3.5 | 2861 |
| HO840003200824701   | PEAK ARRA LWSON 62008-ET    | Alta      |            | 20190104   | 10.2 | 63  | 97  | 230   | 73     | 2.80 | 7.3 | 3.8 | 2.2 | 2.29 | 2.46 | 0.85  | -0.53 | 72     | 2.6 | 3.9 | 2861 |
| HO840003200825076   | PEAK LUNA LWSON 4232-ET     | Alta      |            | 20190213   | 9.1  | 57  | 101 | 210   | 73     | 2.65 | 7.4 | 3.7 | 3.7 | 1.63 | 1.92 | 0.80  | 0.89  | 70     | 3.6 | 2.7 | 2861 |
| HO840003203845364   | 551HO3852                   | SexTech   |            | 20190127   | 10.4 | 65  | 85  | 203   | 77     | 2.64 | 8.4 | 3.4 | 2.8 | 2.27 | 2.75 | 0.19  | -0.12 | 75     | 3.4 | 4.7 | 2861 |
| HO840003206205266   | SSI-DUCKETT 10340           | Select    |            | 20190219   | 9.1  | 75  | 107 | 245   | 74     | 2.74 | 6.5 | 4.1 | 1.5 | 1.64 | 1.80 | 1.19  | 0.29  | 72     | 3.6 | 5.9 | 2861 |
| HO840003140616408   | SANDY-VALLEY I BATMAN-ET    | Semex     | 200HO11265 | 20170927   | 9.8  | 68  | 103 | 239   | 77     | 2.85 | 6.4 | 1.5 | 1.9 | 2.48 | 2.27 | 1.19  | 0.35  | 75     | 2.8 | 4.2 | 2860 |
| HO840003146616418   |                             | GenVis    |            | 20180329   | 9.1  | 65  | 81  | 204   | 76     | 2.73 | 9.2 | 4.8 | 3.3 | 2.05 | 2.15 | 0.94  | -0.49 | 75     | 3.2 | 4.0 | 2860 |
| HO840003148279931   | AARDEMA JIGGLE JUICE-ET     | Select    |            | 20190115   | 8.9  | 65  | 102 | 219   | 75     | 2.68 | 8.3 | 3.4 | 2.1 | 1.84 | 1.89 | 1.32  | -0.12 | 73     | 3.2 | 3.5 | 2860 |
| HO840003150307030   | BOMAZ C3PO-ET               | GeneSeek  | 029HO19122 | 20180715   | 9.2  | 63  | 100 | 228   | 76     | 2.85 | 8.2 | 2.9 | 3.6 | 1.40 | 2.14 | 0.69  | -0.25 | 74     | 2.9 | 4.0 | 2860 |
| HO840003199701925   | OCD CHALLENGR FORSBERG-ET   | Semex     |            | 20181214   | 10.5 | 57  | 95  | 199   | 75     | 2.77 | 6.9 | 1.6 | 2.7 | 2.84 | 2.82 | 1.33  | 0.87  | 72     | 3.2 | 3.9 | 2860 |
| HO840003200059755   |                             | GeneSeek  |            | 20181120   | 8.3  | 53  | 107 | 218   | 74     | 2.68 | 8.5 | 4.5 | 3.6 | 1.21 | 1.59 | 0.77  | -0.11 | 72     | 1.8 | 1.7 | 2860 |
| HO840003200824561   | PEAK RLTT MARUS 61868-ET    | Alta      |            | 20181113   | 9.6  | 83  | 86  | 227   | 74     | 2.77 | 7.5 | 1.9 | 2.7 | 1.65 | 2.13 | 0.26  | 0.07  | 72     | 3.3 | 3.3 | 2860 |
| HO840003204988461   | TERRA-CALROY SOLTO 10209-ET | Select    |            | 20190112   | 9.0  | 78  | 107 | 253   | 74     | 2.82 | 6.8 | 1.9 | 0.6 | 1.91 | 1.93 | 1.69  | -0.29 | 71     | 2.6 | 3.7 | 2860 |
| HO840003132350748   | BRYHILL H-NOON LAVAL-ET     | SexTech   | 551HO03798 | 20180130   | 9.4  | 56  | 80  | 191   | 76     | 2.82 | 8.2 | 5.7 | 5.0 | 1.80 | 1.62 | 1.98  | -0.17 | 74     | 2.7 | 3.4 | 2859 |
| HO840003145981821   | TWIN-SPRUCE MAX-ET          | Semex     |            | 20181211   | 9.5  | 76  | 99  | 236   | 76     | 2.73 | 6.4 | 0.8 | 2.0 | 2.18 | 2.21 | 1.04  | 0.67  | 74     | 5.4 | 4.3 | 2859 |
| HO840003146617140   | DELICIOUS 84078-ET          | SexTech   |            | 20180716   | 10.1 | 70  | 76  | 191   | 75     | 2.66 | 8.6 | 3.3 | 4.5 | 1.95 | 2.16 | -0.19 | -0.34 | 74     | 3.6 | 3.6 | 2859 |
| HO840003147987672   | MIDAS-TOUCH RADAR           | Genex     | 001HO13882 | 20180107   | 9.4  | 68  | 113 | 251   | 77     | 2.98 | 6.2 | 3.1 | 0.6 | 2.72 | 2.62 | 1.32  | -0.15 | 76     | 3.9 | 4.2 | 2859 |
| HO840003148748491   | LEANINGHOUSE VINCENT-ET     | Zoetis    | 200HO11542 | 20180215   | 9.4  | 55  | 93  | 209   | 76     | 2.72 | 7.1 | 3.7 | 2.4 | 2.08 | 2.54 | 2.50  | 0.23  | 74     | 3.4 | 3.6 | 2859 |
| HO840003148929205   | SANDY-VALLEY EARTHSHAKER-ET | ABS       | 029HO19168 | 20180928   | 9.3  | 71  | 89  | 236   | 76     | 2.77 | 7.3 | 2.7 | 2.1 | 1.67 | 2.15 | 1.53  | -0.73 | 74     | 1.5 | 2.7 | 2859 |
| HO840003148929278   | SANDY-VALLEY EUGENIUS-ET    | Select    |            | 20190125   | 10.0 | 60  | 94  | 212   | 74     | 2.64 | 7.3 | 3.4 | 2.0 | 2.23 | 2.41 | 1.93  | 0.25  | 72     | 3.9 | 3.8 | 2859 |
| HO840003200824565   | PEAK RLTT LWSON 61872-ET    | Alta      |            | 20181117   | 9.7  | 77  | 88  | 223   | 73     | 2.77 | 8.1 | 3.4 | 3.9 | 1.33 | 1.21 | 0.61  | 0.74  | 72     | 2.5 | 3.5 | 2859 |
| HO840003201118933   | CHERRYPENCOL MATTIS-ET      | Semex     |            | 20181219   | 10.3 | 66  | 95  | 216   | 76     | 2.78 | 6.6 | 1.6 | 2.8 | 2.58 | 2.73 | 0.40  | 0.28  | 74     | 3.9 | 4.6 | 2859 |
| HO840003132353432   | ST GEN DYNASTY MAROON-ET    | SexTech   | 551HO03749 | 20171004   | 8.6  | 55  | 114 | 230   | 77     | 2.73 | 7.1 | 3.6 | 1.7 | 1.97 | 2.45 | 1.45  | 0.66  | 75     | 4.0 | 4.1 | 2858 |
| HO840003143702102   |                             | GenVis    |            | 20180110   | 9.4  | 65  | 79  | 201   | 76     | 2.72 | 7.7 | 4.9 | 2.8 | 2.42 | 2.90 | 0.86  | 0.05  | 74     | 4.2 | 5.4 | 2858 |
| HO840003146616959   | DELICIOUS 83897-ET          | SexTech   | 551HO03841 | 20180613   | 9.4  | 67  | 85  | 214   | 78     | 2.56 | 8.4 | 3.8 | 3.5 | 1.62 | 1.67 | 1.07  | -0.48 | 75     | 4.5 | 4.2 | 2858 |
| HO840003151003701   | LEANINGHOUSE RNGDE 26032-ET | HO        |            | 20190206   | 9.3  | 75  | 84  | 209   | 75     | 2.74 | 7.1 | 2.8 | 3.3 | 1.74 | 1.74 | 1.32  | 1.13  | 73     | 3.0 | 3.1 | 2858 |

| Registration Number | Name                           | Requester | NAAB code  | Birth Date | GFI  | Pro | Fat | Yield |        |      |     |      |     |      |      | Type |       |        |     |     |      |
|---------------------|--------------------------------|-----------|------------|------------|------|-----|-----|-------|--------|------|-----|------|-----|------|------|------|-------|--------|-----|-----|------|
|                     |                                |           |            |            |      |     |     | FE    | % Rel. | SCS  | PL  | LIV  | FI  | PTAT | UDC  | FLC  | BWC   | % Rel. | DCE | DSB | GTPI |
| HO840003200648759   |                                | ABS       |            | 20181111   | 9.3  | 45  | 121 | 235   | 76     | 2.79 | 7.0 | 4.4  | 3.1 | 1.23 | 2.13 | 1.32 | -0.64 | 75     | 2.7 | 3.3 | 2858 |
| HO840003202572738   | BLUMENFELD MICHELOB 6417-ET    | Zoetis    |            | 20181012   | 9.3  | 57  | 87  | 196   | 75     | 2.50 | 8.7 | 4.8  | 4.5 | 1.12 | 1.69 | 0.69 | 0.23  | 73     | 3.2 | 2.6 | 2858 |
| HO840003204164942   | DENOVO KENOBI-ET               | ABS       |            | 20190211   | 8.4  | 61  | 87  | 204   | 76     | 2.65 | 8.3 | 2.5  | 3.2 | 1.96 | 2.39 | 1.02 | 0.34  | 74     | 2.5 | 4.4 | 2858 |
| HO840003202241152   |                                | ABS       |            | 20190121   | 9.0  | 74  | 113 | 258   | 75     | 2.81 | 6.3 | 2.0  | 3.1 | 1.18 | 1.45 | 0.22 | 0.45  | 72     | 4.3 | 3.5 | 2857 |
| HO840003205703766   | SSI-TOG Y564                   | Select    |            | 20190201   | 8.8  | 65  | 95  | 226   | 74     | 2.68 | 8.7 | 4.4  | 2.7 | 1.57 | 1.71 | 1.29 | -0.53 | 72     | 3.5 | 4.1 | 2857 |
| HO840003012575782   |                                | SexTech   | 551HO03816 | 20180827   | 9.0  | 71  | 102 | 252   | 77     | 2.83 | 7.3 | 4.2  | 1.9 | 1.56 | 1.79 | 1.44 | -1.45 | 74     | 3.6 | 3.1 | 2856 |
| HO840003147987684   | MIDAS-TOUCH HALLMARK 936-ET    | Select    | 007HO14703 | 20180119   | 9.1  | 58  | 97  | 222   | 77     | 2.65 | 8.8 | 4.6  | 2.6 | 1.56 | 2.10 | 1.35 | -0.66 | 76     | 4.0 | 3.7 | 2856 |
| HO840003148929230   | SANDY-VALLEY EXCEPTION-ET      | Semex     |            | 20181129   | 9.6  | 68  | 77  | 206   | 75     | 2.57 | 8.6 | 3.4  | 3.5 | 1.46 | 1.87 | 1.38 | -0.32 | 73     | 3.7 | 3.1 | 2856 |
| HO840003149482696   | HOLYLAND DLRY TRILL-ET         | Genex     |            | 20180820   | 9.2  | 74  | 96  | 237   | 76     | 2.62 | 6.9 | 1.2  | 3.1 | 1.68 | 1.91 | 0.14 | -0.44 | 73     | 4.2 | 4.6 | 2856 |
| HO840003150607562   | DENOVO 15482 HONOR-ET          | ABS       | 029HO19222 | 20181120   | 8.9  | 57  | 104 | 227   | 77     | 2.76 | 6.4 | 1.5  | 2.3 | 2.54 | 2.55 | 1.95 | -0.41 | 76     | 5.1 | 4.4 | 2856 |
| HO840003200815647   | CAL-ROY-AL JOURNEY 9158-ET     | ABS       |            | 20190124   | 9.7  | 80  | 101 | 247   | 75     | 2.87 | 5.4 | -0.6 | 1.8 | 2.29 | 2.39 | 0.98 | 0.56  | 73     | 3.8 | 5.2 | 2856 |
| HO840003202070624   | GENOSOURCE LMBJ ESCOBAR-ET     | GeneSeek  |            | 20181007   | 9.5  | 49  | 95  | 203   | 73     | 2.73 | 8.3 | 3.6  | 3.7 | 1.72 | 2.83 | 0.50 | -0.82 | 71     | 2.0 | 2.5 | 2856 |
| HO840003202572895   | BLUMENFELD CRIMSON 6574-ET     | ABS       |            | 20190130   | 9.1  | 65  | 109 | 232   | 75     | 2.63 | 7.7 | 2.1  | 1.5 | 1.89 | 2.01 | 1.28 | 0.63  | 71     | 4.0 | 4.1 | 2856 |
| HO840003204164742   | DENOVO 15504 SOLSTICE-P-ET     | ABS       | 029HO19227 | 20181130   | 9.5  | 49  | 81  | 173   | 76     | 2.59 | 8.8 | 4.1  | 4.7 | 1.87 | 2.49 | 0.75 | 0.22  | 72     | 2.8 | 2.9 | 2856 |
| HO840003204164917   | DENOVO 15679 KIOSK-ET          | ABS       |            | 20190202   | 9.0  | 65  | 92  | 224   | 75     | 2.68 | 7.5 | 2.8  | 3.1 | 1.66 | 2.27 | 0.87 | -0.01 | 73     | 3.8 | 4.4 | 2856 |
| HO840003199701670   | OCD TAILSPIN-ET                | Semex     |            | 20181014   | 10.6 | 61  | 78  | 185   | 76     | 2.71 | 8.0 | 2.4  | 3.8 | 2.36 | 3.02 | 0.54 | 0.07  | 74     | 3.3 | 4.9 | 2855 |
| HO840003200059844   | SSI-TOG X120                   | Select    |            | 20181209   | 9.9  | 48  | 102 | 203   | 76     | 2.64 | 8.9 | 3.6  | 4.8 | 1.76 | 1.96 | 0.44 | 0.20  | 74     | 5.5 | 5.0 | 2855 |
| HO840003200824088   | PEAK MLKTM SHAZAM-ET           | Alta      |            | 20181007   | 9.4  | 83  | 103 | 249   | 76     | 2.68 | 6.4 | 0.9  | 1.8 | 1.80 | 1.66 | 0.31 | -0.07 | 75     | 3.8 | 4.3 | 2855 |
| HO840003200824512   | PEAK JRNY POSTV 61819-ET       | Alta      |            | 20181023   | 9.2  | 83  | 103 | 257   | 75     | 2.99 | 5.2 | 0.2  | 2.6 | 2.26 | 2.04 | 0.30 | -0.01 | 73     | 4.3 | 4.9 | 2855 |
| HO840003200824649   | PEAK MLENA LWSON 61956-ET      | Alta      |            | 20181220   | 9.3  | 72  | 80  | 211   | 73     | 2.68 | 7.6 | 1.7  | 3.0 | 2.36 | 2.10 | 0.73 | 0.30  | 71     | 2.7 | 2.5 | 2855 |
| HO840003202241162   |                                | ABS       |            | 20190129   | 8.9  | 65  | 96  | 221   | 76     | 2.70 | 8.6 | 2.4  | 2.6 | 1.67 | 2.14 | 0.90 | -0.46 | 74     | 2.7 | 3.5 | 2855 |
| HOCAN000013227431   | PROGENESIS PRINCE-ET           | Zoetis    | 200HO11593 | 20180802   | 9.6  | 64  | 103 | 222   | 76     | 2.74 | 6.0 | 1.4  | 1.7 | 2.27 | 2.62 | 1.50 | 0.48  | 73     | 3.1 | 4.0 | 2855 |
| HOCAN000013227676   | PROGENESIS CHALLENGER 3424     | Semex     | 200HO11641 | 20181015   | 9.7  | 55  | 95  | 209   | 75     | 2.72 | 8.8 | 5.0  | 3.3 | 1.60 | 2.47 | 0.74 | -0.38 | 71     | 3.3 | 4.4 | 2855 |
| HOFRA007261295251   | NACASH-ET                      | NAAB-Evol | 180HO93020 | 20171214   | 9.4  | 57  | 97  | 203   | 76     | 2.64 | 6.3 | 3.0  | 2.5 | 2.41 | 2.37 | 1.61 | 1.20  | 74     | 3.2 | 4.2 | 2855 |
| HO840003132350699   | ST GEN 76865-ET                | SexTech   |            | 20180124   | 10.4 | 57  | 86  | 210   | 77     | 2.72 | 7.4 | 3.8  | 4.1 | 1.73 | 2.39 | 1.10 | -1.08 | 75     | 3.1 | 4.5 | 2854 |
| HO840003132350759   |                                | GenVis    |            | 20180131   | 9.9  | 70  | 84  | 219   | 77     | 2.78 | 8.1 | 3.6  | 3.4 | 1.91 | 1.94 | 0.94 | -1.35 | 75     | 3.2 | 3.7 | 2854 |
| HO840003137164268   | REGAN-DANHOF COPYRIGHT-ET      | Zoetis    | 200HO11607 | 20171227   | 9.5  | 72  | 85  | 194   | 77     | 2.73 | 5.9 | 1.4  | 1.6 | 2.85 | 2.64 | 1.94 | 1.16  | 76     | 2.3 | 4.3 | 2854 |
| HO840003140616308   | SANDY-VALLEY EMERALD-ET        | Semex     | 200HO11318 | 20170526   | 9.3  | 60  | 74  | 174   | 77     | 2.71 | 7.1 | 2.8  | 3.6 | 2.47 | 2.64 | 2.08 | 0.51  | 76     | 3.4 | 2.7 | 2854 |
| HO840003200824273   | PEAK MD9619 LWSON 81630-ET     | Alta      |            | 20190109   | 9.6  | 55  | 106 | 226   | 73     | 2.78 | 7.3 | 3.0  | 4.1 | 1.65 | 1.86 | 0.74 | 0.19  | 72     | 3.4 | 4.4 | 2854 |
| HO840003203845431   | 551HO3860                      | SexTech   |            | 20190207   | 10.0 | 58  | 98  | 223   | 76     | 2.83 | 7.6 | 4.3  | 2.9 | 1.67 | 2.31 | 1.22 | -1.36 | 74     | 2.0 | 3.3 | 2854 |
| HO840003137942600   |                                | GenVis    |            | 20180705   | 10.2 | 61  | 64  | 176   | 75     | 2.63 | 9.0 | 3.9  | 5.3 | 1.53 | 2.21 | 0.68 | -0.26 | 73     | 1.8 | 2.9 | 2853 |
| HO840003146616195   | ST GEN NOBLE TACOMA-ET         | SexTech   | 551HO03801 | 20180226   | 10.5 | 59  | 71  | 185   | 76     | 2.47 | 8.7 | 2.5  | 4.7 | 1.55 | 2.53 | 0.34 | -0.21 | 75     | 3.0 | 3.9 | 2853 |
| HO840003146616313   | ST GEN NOBLE DINERO-ET         | SexTech   | 551HO03803 | 20180313   | 9.4  | 51  | 89  | 207   | 76     | 2.46 | 9.8 | 6.2  | 3.5 | 1.04 | 2.34 | 0.74 | -1.06 | 74     | 4.1 | 5.1 | 2853 |
| HO840003146616456   | DELICIOUS HN TUSCAN-ET         | SexTech   | 551HO03835 | 20180402   | 10.4 | 75  | 68  | 195   | 76     | 2.74 | 7.8 | 2.9  | 4.0 | 1.85 | 1.84 | 1.24 | 0.33  | 74     | 1.8 | 2.9 | 2853 |
| HO840003146616486   | ROSYLANE-LLC NCAP TUNER-ET     | SexTech   | 551HO03837 | 20180406   | 9.4  | 47  | 77  | 176   | 77     | 2.42 | 9.4 | 4.4  | 3.8 | 1.81 | 2.82 | 1.22 | -0.64 | 74     | 3.6 | 4.2 | 2853 |
| HO840003146617104   |                                | SexTech   |            | 20180711   | 9.6  | 63  | 108 | 239   | 78     | 2.78 | 7.3 | 2.5  | 3.5 | 1.44 | 1.64 | 0.41 | -1.01 | 75     | 2.8 | 3.7 | 2853 |
| HO840003148279599   | AARDEMA THATBOY-ET             | ABS       | 029HO19156 | 20180609   | 9.5  | 64  | 98  | 241   | 76     | 2.93 | 7.3 | 3.4  | 4.4 | 0.99 | 1.90 | 1.09 | -1.13 | 74     | 4.0 | 4.7 | 2853 |
| HO840003149432290   | WINSTAR DULUTH-ET              | ABS       | 029HO19082 | 20180329   | 9.5  | 65  | 95  | 220   | 76     | 2.76 | 8.1 | 3.8  | 1.8 | 2.19 | 2.18 | 1.45 | 0.34  | 75     | 3.3 | 3.4 | 2853 |
| HO840003150910864   | SSI-LARSON 1128                | Select    |            | 20181211   | 9.9  | 47  | 83  | 174   | 76     | 2.50 | 8.3 | 3.3  | 3.7 | 2.22 | 2.78 | 1.58 | 0.84  | 72     | 4.5 | 3.9 | 2853 |
| HO840003200824895   | PEAK PLRS MLKTM 4051-ET        | Alta      |            | 20180924   | 9.6  | 84  | 100 | 242   | 76     | 2.79 | 6.9 | 1.7  | 1.6 | 1.95 | 1.91 | 0.25 | 0.11  | 74     | 3.3 | 4.4 | 2853 |
| HO840003202768339   | AOT HOOLIGAN-ET                | Semex     |            | 20181105   | 10.1 | 65  | 117 | 251   | 77     | 2.87 | 6.0 | 0.8  | 0.7 | 2.60 | 2.89 | 1.26 | -0.73 | 75     | 4.5 | 5.4 | 2853 |
| HOUSA000074345956   | HURTGLENLEA RICHARD CHARL-ET   | HO        | 551HO03529 | 20161228   | 9.6  | 63  | 108 | 239   | 78     | 2.78 | 7.3 | 2.6  | 3.5 | 1.46 | 1.65 | 0.42 | -1.01 | 75     | 2.9 | 3.8 | 2853 |
| HO840003007971590   | 551HO03757                     | GenVis    | 551HO03757 | 20180709   | 9.6  | 63  | 108 | 239   | 78     | 2.78 | 7.3 | 2.5  | 3.5 | 1.44 | 1.64 | 0.41 | -1.01 | 75     | 2.8 | 3.7 | 2852 |
| HO840003140616328   | SANDY-VALLEY FULLMARKS-ET      | Semex     | 200HO11319 | 20170612   | 8.9  | 50  | 75  | 157   | 77     | 2.62 | 7.7 | 3.6  | 4.4 | 2.50 | 2.46 | 2.25 | 1.13  | 76     | 4.0 | 3.9 | 2852 |
| HO840003146082021   | AOT HOLLYWOOD-ET               | Zoetis    | 200HO11615 | 20180415   | 9.9  | 62  | 73  | 189   | 77     | 2.65 | 8.7 | 2.1  | 4.1 | 2.50 | 2.63 | 0.73 | -0.35 | 76     | 4.0 | 5.4 | 2852 |
| HO840003199699580   | WELCOME 4114-ET                | Select    |            | 20190130   | 9.0  | 52  | 78  | 178   | 75     | 2.57 | 8.7 | 5.6  | 4.1 | 1.90 | 2.16 | 1.60 | 0.44  | 72     | 3.3 | 3.9 | 2852 |
| HO840003200824071   | PEAK MLKTM CUBE-ET             | Alta      |            | 20180926   | 10.0 | 80  | 100 | 247   | 75     | 2.63 | 8.4 | 3.3  | 1.2 | 1.44 | 1.39 | 0.97 | -0.19 | 73     | 3.3 | 4.5 | 2852 |
| HO840003202241084   | BOMAZ SYNC-ET                  | GeneSeek  | 029HO19171 | 20180925   | 9.7  | 70  | 97  | 250   | 77     | 2.69 | 7.7 | 3.5  | 1.6 | 1.36 | 2.12 | 0.91 | -1.45 | 74     | 2.4 | 2.7 | 2852 |
| HOCAN000013127757   | WESTCOAST MARIUS REMEMBER 2758 | Semex     | 200HO11660 | 20181019   | 10.2 | 72  | 71  | 183   | 76     | 2.64 | 8.6 | 3.8  | 2.5 | 2.24 | 2.60 | 0.96 | 1.04  | 74     | 3.2 | 3.3 | 2852 |
| HO840003142181099   | PEAK ALTALAWSON-ET             | Alta      | 011HO12157 | 20170414   | 9.2  | 55  | 107 | 226   | 77     | 2.77 | 7.5 | 3.8  | 3.8 | 1.48 | 1.69 | 0.92 | 0.68  | 76     | 3.1 | 3.7 | 2851 |
| HO840003151767568   | JOOK HUEY 19550-ET             | HO        |            | 20181205   | 9.5  | 64  | 93  | 215   | 75     | 2.91 | 6.7 | 2.8  | 2.4 | 2.36 | 2.63 | 1.57 | -0.21 | 73     | 2.7 | 3.4 | 2851 |
| HO840003132352752   | ST GEN R-HAZE RAPID-ET         | GenVis    | 551HO03591 | 20170429   | 10.0 | 66  | 97  | 212   | 78     | 2.84 | 5.1 | 2.6  | 1.3 | 3.04 | 2.53 | 1.81 | 0.80  | 75     | 2.7 | 2.4 | 2850 |
| HO840003151003691   | LEANINGHOUSE KANZO 26022-ET    | HO        |            | 20190202   | 9.8  | 60  | 94  | 210   | 75     | 2.68 | 7.5 | 3.0  | 2.5 | 1.73 | 2.79 | 1.50 | -0.41 | 73     | 4.9 | 4.2 | 2850 |
| HO840003199701893   | OCD POSITIVE SERGEI-ET         | Semex     |            | 20181206   | 9.2  | 78  | 117 | 265   | 76     | 2.88 | 5.6 | 1.2  | 0.8 | 2.03 | 2.29 | 0.54 | 0.37  | 74     | 4.5 | 5.0 | 2850 |



| Registration Number | Name                        | Requester | NAAB code  | Birth Date | GFI  | Pro | Fat | Yield |        |      |     |      |     |      |      | Type |       |        |     |     |      |
|---------------------|-----------------------------|-----------|------------|------------|------|-----|-----|-------|--------|------|-----|------|-----|------|------|------|-------|--------|-----|-----|------|
|                     |                             |           |            |            |      |     |     | FE    | % Rel. | SCS  | PL  | LIV  | FI  | PTAT | UDC  | FLC  | BWC   | % Rel. | DCE | DSB | GTPI |
| HOCAN000013227526   | PROGENESIS DARMOUTH-ET      | Zoetis    | 200HO11627 | 20180904   | 10.3 | 63  | 95  | 205   | 76     | 2.62 | 8.3 | 3.0  | 1.9 | 2.24 | 2.72 | 0.83 | 0.42  | 72     | 4.4 | 5.7 | 2850 |
| HO840003007971592   | 551HO03843                  | SexTech   |            | 20181208   | 10.0 | 66  | 121 | 257   | 75     | 2.70 | 6.4 | 1.8  | 1.5 | 1.62 | 1.89 | 1.01 | -0.73 | 72     | 5.0 | 4.6 | 2849 |
| HO840003132353418   | MR D-WORTH MENACE-ET        | GenVis    | 551HO03717 | 20170930   | 9.3  | 50  | 92  | 207   | 77     | 2.76 | 7.6 | 3.5  | 2.3 | 2.66 | 3.12 | 1.50 | -1.13 | 75     | 3.0 | 3.8 | 2849 |
| HO840003141558701   |                             | Semex     |            | 20181110   | 9.2  | 54  | 84  | 185   | 76     | 2.59 | 7.8 | 3.3  | 2.3 | 2.41 | 2.78 | 1.59 | 0.58  | 72     | 2.1 | 2.1 | 2849 |
| HO840003141559586   | DE-SU FRAZZLD ROME 14192-ET | Select    | 614HO14226 | 20170502   | 9.3  | 64  | 113 | 249   | 79     | 2.48 | 7.7 | 2.8  | 2.8 | 1.16 | 1.10 | 0.47 | -0.70 | 76     | 4.5 | 4.6 | 2849 |
| HO840003142704408   | GENOSOURCE RUBIX-ET         | GenVis    |            | 20180110   | 9.7  | 71  | 83  | 210   | 76     | 2.77 | 7.1 | 2.4  | 1.8 | 2.55 | 2.87 | 1.18 | -0.57 | 75     | 3.7 | 3.4 | 2849 |
| HO840003150607504   | DENOVO 15424 GAMMON-ET      | ABS       | 029HO19149 | 20180901   | 9.1  | 66  | 98  | 235   | 76     | 2.78 | 6.4 | 1.0  | 2.0 | 2.26 | 2.30 | 1.52 | 0.25  | 74     | 2.8 | 3.9 | 2849 |
| HO840003151787846   | BLUMENFELD FRAZZLD FRITZ-ET | Select    | 007HO14855 | 20180722   | 9.1  | 60  | 98  | 208   | 78     | 2.75 | 8.1 | 3.2  | 2.4 | 1.85 | 2.51 | 1.66 | 0.90  | 74     | 5.2 | 3.7 | 2849 |
| HO840003200124767   | SIEMERS RNGD PARIN 30997-ET | Select    |            | 20190204   | 9.3  | 71  | 92  | 210   | 74     | 2.81 | 5.4 | 2.5  | 2.6 | 2.30 | 2.04 | 1.74 | 0.80  | 72     | 3.1 | 3.2 | 2849 |
| HO840003204164941   | DENOVO 15703 KYRIE-ET       | ABS       |            | 20190210   | 8.9  | 66  | 99  | 233   | 75     | 2.66 | 7.6 | 2.7  | 3.7 | 1.11 | 1.52 | 0.23 | 0.08  | 73     | 2.3 | 3.7 | 2849 |
| HOCAN000013024693   | PROGENESIS BLIZZARD-ET      | Zoetis    | 200HO11387 | 20180122   | 10.2 | 61  | 99  | 207   | 76     | 2.63 | 6.2 | 0.6  | 1.4 | 2.53 | 3.20 | 1.12 | 1.09  | 74     | 3.3 | 4.4 | 2849 |
| HOCAN000013098893   | PROGENESIS MOTIVATED-ET     | Zoetis    | 200HO11481 | 20180507   | 9.5  | 87  | 85  | 237   | 76     | 2.78 | 6.8 | 1.5  | 3.3 | 1.49 | 1.60 | 0.12 | 0.26  | 73     | 3.5 | 3.9 | 2849 |
| HO840003146616425   |                             | GenVis    |            | 20180330   | 10.7 | 63  | 83  | 185   | 77     | 2.73 | 8.1 | 4.4  | 2.0 | 2.55 | 2.87 | 1.25 | 0.51  | 75     | 2.7 | 3.9 | 2848 |
| HO840003150687207   | PINE-TREE SAVVY-ET          | ABS       | 029HO19203 | 20180810   | 10.1 | 61  | 88  | 220   | 77     | 2.65 | 8.2 | 2.4  | 3.8 | 1.44 | 1.98 | 0.74 | -0.39 | 75     | 2.5 | 2.8 | 2848 |
| HO840003200824612   | PEAK DLLH POSTV 61919-ET    | Alta      |            | 20181209   | 9.0  | 68  | 117 | 245   | 74     | 2.94 | 5.1 | 1.3  | 0.7 | 2.80 | 2.66 | 1.06 | 0.81  | 73     | 3.6 | 4.5 | 2848 |
| HO840003200824757   | PEAK PLRS HOTJB 62064-ET    | Alta      |            | 20190127   | 9.8  | 66  | 78  | 183   | 73     | 2.71 | 7.7 | 3.0  | 2.1 | 2.71 | 3.13 | 1.17 | 1.45  | 72     | 3.9 | 3.8 | 2848 |
| HO840003202794675   | SSI-DUCKETT 10224           | Select    |            | 20190111   | 9.4  | 74  | 103 | 238   | 74     | 2.76 | 7.1 | 2.6  | 3.0 | 1.39 | 1.16 | 1.22 | 0.17  | 71     | 3.9 | 4.9 | 2848 |
| HO840003204164896   | DENOVO KENOBI-ET            | ABS       |            | 20190203   | 8.7  | 60  | 104 | 213   | 75     | 2.70 | 5.8 | 2.8  | 2.7 | 1.86 | 2.04 | 1.61 | 1.39  | 72     | 3.3 | 4.1 | 2848 |
| HOCAN000012609140   | PROGENESIS POSITIVE         | Semex     | 200HO10955 | 20161006   | 9.3  | 73  | 128 | 275   | 79     | 2.92 | 4.5 | 1.2  | 0.6 | 2.27 | 2.11 | 0.63 | -0.12 | 78     | 3.7 | 4.8 | 2848 |
| HOGBR706042604375   | DENOVO INVICTUS-ET          | ABS       | 029HO17454 | 20180403   | 8.9  | 55  | 98  | 219   | 77     | 2.66 | 8.5 | 5.1  | 4.0 | 0.83 | 1.98 | 0.84 | -0.63 | 75     | 4.7 | 3.4 | 2848 |
| HO840003142332632   | PINE-TREE JUICY JINN-ET     | Genex     | 001HO13899 | 20180414   | 9.5  | 85  | 88  | 233   | 76     | 2.76 | 6.0 | 0.9  | 1.1 | 2.16 | 2.17 | 1.44 | 0.22  | 74     | 3.1 | 3.4 | 2847 |
| HO840003146616332   | DELICIOUS 83270-ET          | SexTech   | 551HO03804 | 20180315   | 9.5  | 75  | 70  | 200   | 77     | 2.72 | 8.3 | 3.4  | 4.0 | 1.88 | 1.75 | 1.06 | -0.23 | 74     | 3.7 | 4.0 | 2847 |
| HO840003148919151   |                             | GeneSeek  |            | 20181205   | 9.7  | 55  | 76  | 183   | 73     | 2.63 | 8.3 | 3.2  | 4.4 | 2.00 | 2.24 | 1.05 | -0.22 | 72     | 2.1 | 2.8 | 2847 |
| HO840003148929270   | SANDY-VALLEY EXODUS-ET      | Semex     |            | 20190114   | 9.5  | 63  | 78  | 194   | 75     | 2.54 | 8.3 | 4.1  | 2.5 | 2.04 | 2.29 | 1.61 | 0.50  | 73     | 3.8 | 3.4 | 2847 |
| HO840003150607305   | DENOVO 15225 SELTZER-ET     | ABS       | 029HO19087 | 20180630   | 9.5  | 70  | 91  | 215   | 77     | 2.78 | 6.6 | 1.2  | 1.6 | 2.11 | 2.60 | 1.60 | 0.32  | 75     | 1.8 | 2.4 | 2847 |
| HO840003151400885   |                             | Zoetis    |            | 20180518   | 10.0 | 55  | 91  | 202   | 76     | 2.81 | 7.7 | 4.8  | 3.7 | 1.71 | 2.33 | 1.28 | -0.01 | 74     | 3.0 | 3.3 | 2847 |
| HO840003151643206   | OCD PROSPEROUS TONIC-ET     | Semex     |            | 20190107   | 9.6  | 81  | 89  | 215   | 76     | 2.59 | 6.3 | 1.0  | 1.8 | 2.27 | 2.09 | 0.82 | 0.65  | 74     | 4.0 | 5.0 | 2847 |
| HO840003200824829   | PEAK CHROME ROBRT 62136-ET  | Alta      |            | 20190220   | 8.8  | 51  | 109 | 227   | 73     | 2.56 | 9.6 | 4.5  | 3.0 | 1.10 | 1.26 | 1.27 | -0.10 | 71     | 3.1 | 2.7 | 2847 |
| HO840003203845445   | 551HO3858                   | SexTech   |            | 20190203   | 9.4  | 61  | 96  | 221   | 76     | 2.85 | 6.8 | 2.9  | 4.1 | 1.75 | 1.99 | 0.81 | -1.04 | 73     | 3.1 | 3.6 | 2847 |
| HO840003132353762   |                             | GenVis    |            | 20171217   | 9.9  | 50  | 109 | 218   | 77     | 2.59 | 7.6 | 3.1  | 2.0 | 1.87 | 2.46 | 1.01 | -0.14 | 76     | 2.7 | 3.4 | 2846 |
| HO840003146616978   |                             | GenVis    |            | 20180616   | 9.5  | 67  | 65  | 192   | 76     | 2.65 | 9.1 | 5.2  | 4.1 | 1.49 | 2.28 | 0.85 | -0.80 | 74     | 3.3 | 3.5 | 2846 |
| HO840003146617473   | DELICIOUS 84411-ET          | SexTech   |            | 20180907   | 9.5  | 73  | 79  | 221   | 77     | 2.88 | 8.6 | 5.2  | 3.6 | 1.50 | 1.89 | 0.29 | -1.32 | 75     | 2.0 | 2.5 | 2846 |
| HO840003146617520   | ST GEN 84458-ET             | SexTech   |            | 20180917   | 9.3  | 70  | 121 | 271   | 75     | 2.96 | 7.0 | 2.7  | 1.4 | 1.34 | 1.76 | 1.27 | -1.02 | 72     | 3.4 | 4.2 | 2846 |
| HO840003148929243   |                             | ABS       |            | 20190106   | 9.3  | 75  | 97  | 234   | 76     | 2.88 | 6.2 | -0.2 | 3.2 | 2.01 | 2.29 | 0.02 | 0.70  | 74     | 3.1 | 4.8 | 2846 |
| HO840003150457501   | SSI-PRESTON 191             | Select    |            | 20181222   | 9.6  | 65  | 114 | 245   | 75     | 2.63 | 6.1 | 1.8  | 1.2 | 2.06 | 1.73 | 1.34 | -0.14 | 71     | 3.3 | 3.4 | 2846 |
| HO840003200059633   |                             | GeneSeek  |            | 20181010   | 9.4  | 59  | 91  | 217   | 73     | 2.68 | 8.8 | 3.8  | 3.3 | 1.67 | 1.77 | 1.05 | -0.66 | 71     | 2.4 | 2.5 | 2846 |
| HO840003202074677   | REGAN-DANHOF HUEY 13012-ET  | Select    |            | 20190119   | 9.9  | 72  | 89  | 202   | 76     | 2.68 | 6.3 | 1.6  | 2.6 | 2.21 | 2.09 | 1.40 | 0.93  | 74     | 3.6 | 4.0 | 2846 |
| HO840003204988465   | TERRA-CALROY SOLTO 10213-ET | Select    |            | 20190117   | 8.7  | 62  | 101 | 207   | 74     | 2.55 | 8.3 | 3.8  | 1.5 | 1.89 | 1.84 | 1.51 | 0.96  | 71     | 3.0 | 3.4 | 2846 |
| HOCAN000111345057   | SANDY-VALLEY-I HURRICANE-ET | ABS       | 029HO19104 | 20180728   | 9.6  | 62  | 95  | 233   | 76     | 2.74 | 7.5 | 1.3  | 2.4 | 1.77 | 2.22 | 1.90 | -0.55 | 74     | 2.7 | 3.7 | 2846 |
| HO840003145627359   | DENOVO 14685 VALUE-ET       | ABS       | 029HO18929 | 20171207   | 8.8  | 73  | 126 | 282   | 79     | 2.79 | 5.6 | 1.4  | 1.8 | 1.21 | 1.73 | 0.10 | -0.38 | 78     | 4.6 | 5.7 | 2845 |
| HO840003146618192   |                             | SexTech   |            | 20190108   | 9.7  | 56  | 97  | 217   | 75     | 3.01 | 8.1 | 3.7  | 3.7 | 1.94 | 2.19 | 1.26 | -1.37 | 73     | 2.3 | 2.8 | 2845 |
| HO840003200059526   |                             | GeneSeek  |            | 20180913   | 10.2 | 70  | 95  | 224   | 73     | 2.83 | 6.5 | 2.2  | 1.8 | 2.50 | 2.30 | 1.42 | 0.67  | 72     | 4.0 | 3.3 | 2845 |
| HO840003201118932   | CHERRYPENCOL RON-ET         | Semex     |            | 20181218   | 10.2 | 62  | 82  | 212   | 76     | 2.70 | 7.8 | 2.4  | 3.8 | 1.81 | 2.49 | 0.48 | -1.33 | 74     | 2.8 | 3.7 | 2845 |
| HO840003201859129   | OCD DUTYFREE-ET             | Semex     |            | 20181116   | 10.0 | 44  | 82  | 181   | 76     | 2.49 | 8.7 | 4.2  | 3.3 | 2.04 | 3.07 | 1.29 | -0.55 | 73     | 3.3 | 4.5 | 2845 |
| HO840003203098744   | TERRALINDA-L FRAZZLE 800-ET | HO        |            | 20181123   | 9.9  | 70  | 115 | 252   | 78     | 2.77 | 6.3 | 2.1  | 1.5 | 1.68 | 1.90 | 0.94 | 0.05  | 76     | 4.5 | 4.0 | 2845 |
| HOUSA000143796927   | SCHOENE-KUH ALTAROBERT-ET   | Alta      | 011HO12286 | 20170619   | 9.0  | 47  | 88  | 186   | 77     | 2.66 | 9.0 | 4.7  | 5.2 | 1.35 | 1.59 | 1.59 | 0.55  | 76     | 2.9 | 3.7 | 2845 |
| HO840003132350832   | ST GEN NOBLE BRUNOY-ET      | SexTech   | 551HO03829 | 20180210   | 9.8  | 63  | 81  | 215   | 77     | 2.72 | 7.5 | 4.2  | 3.7 | 1.59 | 2.38 | 0.47 | -1.26 | 75     | 2.5 | 3.1 | 2844 |
| HO840003146616363   |                             | GenVis    |            | 20180320   | 10.2 | 66  | 88  | 213   | 76     | 2.69 | 6.9 | 1.8  | 2.8 | 2.28 | 2.43 | 0.98 | -0.52 | 75     | 3.6 | 4.3 | 2844 |
| HO840003146617194   | DELICIOUS 84132-ET          | GenVis    |            | 20180722   | 10.1 | 48  | 85  | 178   | 77     | 2.53 | 9.4 | 5.9  | 3.7 | 1.78 | 2.65 | 0.46 | -0.54 | 75     | 3.0 | 4.5 | 2844 |
| HO840003146618380   |                             | SexTech   |            | 20190213   | 9.0  | 68  | 101 | 228   | 76     | 2.93 | 6.9 | 3.2  | 2.5 | 2.10 | 1.79 | 1.39 | 0.14  | 76     | 2.7 | 3.7 | 2844 |
| HO840003150910853   |                             | Select    |            | 20181116   | 9.5  | 71  | 100 | 242   | 74     | 2.78 | 7.5 | 2.8  | 2.2 | 1.40 | 1.80 | 1.55 | -0.55 | 70     | 4.1 | 4.8 | 2844 |
| HO840003204164781   | DENOVO 15543 HAIKU-ET       | ABS       | 029HO19237 | 20181221   | 9.4  | 65  | 99  | 217   | 76     | 2.59 | 7.0 | 0.4  | 0.9 | 2.59 | 2.54 | 1.77 | 0.04  | 73     | 3.8 | 4.1 | 2844 |
| HO840003204165514   | DENOVO 16276 NAUTICAL-ET    | ABS       |            | 20190213   | 9.7  | 72  | 101 | 236   | 75     | 2.66 | 7.8 | 2.7  | 2.8 | 1.05 | 1.48 | 0.40 | 0.02  | 73     | 3.0 | 3.6 | 2844 |
| HO840003132353459   | ST GEN NOBLE PONCHO         | GenVis    | 551HO03722 | 20171011   | 9.0  | 58  | 75  | 177   | 77     | 2.56 | 8.2 | 4.0  | 3.1 | 2.27 | 2.79 | 0.95 | 0.12  | 74     | 3.3 | 3.0 | 2843 |

| Registration Number | Name                        | Requester | NAAB code  | Birth Date | GFI  | Pro | Fat | Yield |        |      |      |      |      |      |      | Type |       |        |     |     |      |
|---------------------|-----------------------------|-----------|------------|------------|------|-----|-----|-------|--------|------|------|------|------|------|------|------|-------|--------|-----|-----|------|
|                     |                             |           |            |            |      |     |     | FE    | % Rel. | SCS  | PL   | LIV  | FI   | PTAT | UDC  | FLC  | BWC   | % Rel. | DCE | DSB | GTPI |
| HO840003140185091   | EILDON TWEED POSI TAFT 2-ET | Semex     |            | 20181201   | 9.3  | 60  | 113 | 233   | 76     | 2.78 | 5.9  | 3.2  | 1.3  | 2.29 | 2.38 | 1.21 | 0.42  | 73     | 3.4 | 4.5 | 2843 |
| HO840003146203178   | FARNEAR STRYKER-ET          | GenVis    |            | 20180111   | 9.7  | 62  | 90  | 215   | 75     | 2.64 | 6.4  | 2.8  | 2.6  | 2.10 | 2.74 | 0.86 | -0.35 | 74     | 4.2 | 4.5 | 2843 |
| HO840003146618109   |                             | SexTech   |            | 20181227   | 10.1 | 56  | 105 | 231   | 74     | 2.74 | 6.7  | 3.4  | 2.8  | 1.82 | 1.99 | 1.61 | -1.25 | 71     | 3.9 | 4.0 | 2843 |
| HO840003147223744   | RMD-DOTTERER SSI MAXIMUS-ET | Select    | 007HO14859 | 20180809   | 10.2 | 69  | 110 | 261   | 76     | 2.90 | 7.1  | 3.5  | 1.5  | 1.31 | 2.05 | 1.22 | -1.32 | 72     | 3.2 | 3.5 | 2843 |
| HO840003150607200   | DENOVO 15120 NAPLES-ET      | ABS       | 029HO19070 | 20180518   | 10.5 | 82  | 80  | 225   | 76     | 2.95 | 7.0  | 2.1  | 2.0  | 2.50 | 2.25 | 1.06 | -0.36 | 75     | 2.7 | 3.2 | 2843 |
| HO840003202768340   | AOT HALFMOON-ET             | Semex     |            | 20181108   | 9.6  | 76  | 121 | 271   | 77     | 2.95 | 4.7  | 0.7  | -0.8 | 2.83 | 2.86 | 1.25 | -0.53 | 75     | 4.5 | 5.8 | 2843 |
| HO840003204164936   | DENOVO KENOBI-ET            | ABS       |            | 20190208   | 9.7  | 57  | 68  | 174   | 75     | 2.78 | 8.0  | 2.5  | 4.4  | 2.14 | 2.97 | 1.58 | 0.23  | 73     | 3.0 | 3.4 | 2843 |
| HOUSA000073192840   | JC-KOW VOLTAGE-ET           | ABS       | 029HO19247 | 20181013   | 9.7  | 69  | 77  | 192   | 76     | 2.71 | 7.6  | 3.4  | 2.1  | 2.16 | 2.47 | 1.92 | 0.14  | 73     | 2.1 | 3.4 | 2843 |
| HOUSA00034ZMM3335   |                             | GenVis    |            | 20170330   | 10.3 | 70  | 107 | 229   | 78     | 2.83 | 6.4  | 2.6  | 0.7  | 2.35 | 2.61 | 1.42 | 0.66  | 76     | 4.7 | 4.6 | 2843 |
| HO840003146617361   |                             | SexTech   |            | 20180820   | 9.7  | 72  | 81  | 199   | 75     | 2.77 | 7.7  | 1.8  | 3.8  | 2.09 | 1.75 | 0.72 | 0.51  | 73     | 2.4 | 3.1 | 2842 |
| HO840003148929210   | SANDY-VALLEY AMPLIFIER-ET   | Semex     |            | 20181014   | 9.7  | 68  | 100 | 242   | 76     | 2.76 | 7.8  | 4.1  | 1.3  | 1.77 | 2.20 | 1.02 | -0.25 | 74     | 3.3 | 4.3 | 2842 |
| HO840003150307018   | BOMAZ MONUMENT-P-ET         | GeneSeek  | 029HO19071 | 20180624   | 8.9  | 59  | 109 | 245   | 77     | 2.76 | 7.8  | 5.9  | 2.6  | 1.18 | 1.61 | 0.85 | -0.74 | 75     | 3.6 | 3.3 | 2842 |
| HO840003150687292   | PINE-TREE KEYNOTE-ET        | ABS       |            | 20181223   | 9.2  | 74  | 105 | 258   | 75     | 2.74 | 7.3  | 3.8  | 1.0  | 1.16 | 2.04 | 0.89 | -1.02 | 73     | 3.2 | 4.0 | 2842 |
| HO840003200059673   |                             | GeneSeek  |            | 20181025   | 8.5  | 60  | 118 | 249   | 74     | 2.72 | 6.2  | 1.6  | 2.8  | 1.69 | 1.97 | 0.48 | -0.78 | 71     | 5.4 | 4.8 | 2842 |
| HO840003200825006   | PEAK PLRS LWSON 4162-ET     | Alta      |            | 20181217   | 9.3  | 72  | 88  | 215   | 73     | 2.71 | 7.0  | 2.2  | 3.3  | 2.05 | 1.60 | 0.77 | 0.65  | 72     | 3.1 | 3.4 | 2842 |
| HO840003202241161   |                             | ABS       |            | 20190128   | 9.0  | 60  | 116 | 246   | 76     | 2.74 | 7.4  | 3.1  | 2.0  | 1.54 | 1.85 | 0.75 | -0.24 | 74     | 3.3 | 3.6 | 2842 |
| HO840003137164163   | REGAN-DANHOF GAMECHANGER-ET | HO        | 001HO13844 | 20171020   | 9.4  | 62  | 93  | 214   | 79     | 2.83 | 7.2  | 1.6  | 2.9  | 1.90 | 2.10 | 2.21 | -0.35 | 79     | 2.6 | 3.6 | 2841 |
| HO840003137942613   |                             | GeneSeek  |            | 20180915   | 10.0 | 87  | 80  | 234   | 73     | 2.96 | 6.8  | 1.8  | 3.7  | 1.61 | 1.61 | 0.77 | -0.51 | 71     | 3.7 | 3.9 | 2841 |
| HO840003145229960   | PEAK ALTAMORRIS-ET          | Alta      | 011HO12327 | 20171105   | 9.7  | 75  | 113 | 248   | 79     | 2.80 | 4.7  | 1.5  | 0.2  | 2.56 | 2.29 | 0.88 | 0.54  | 79     | 3.0 | 3.8 | 2841 |
| HO840003145686062   | T-SPRUCE DELROY SHOOTER-ET  | Select    | 705HO10116 | 20180512   | 9.5  | 61  | 94  | 200   | 75     | 2.72 | 7.3  | 2.2  | 2.2  | 2.53 | 2.77 | 0.95 | 0.35  | 73     | 4.1 | 3.8 | 2841 |
| HO840003146616123   | FARNEAR DELTA DENSTONE-ET   | GenVis    | 551HO03756 | 20180216   | 10.0 | 69  | 82  | 206   | 79     | 2.86 | 7.6  | 2.4  | 3.5  | 2.02 | 2.21 | 1.57 | -0.45 | 78     | 4.2 | 3.8 | 2841 |
| HO840003150607102   | DENOVO PROPHECY 15022-ET    | ABS       |            | 20180407   | 7.4  | 67  | 85  | 197   | 75     | 2.88 | 6.8  | 2.2  | 3.7  | 2.22 | 2.06 | 1.54 | 0.67  | 74     | 3.5 | 2.9 | 2841 |
| HO840003151340843   | FLY-HIGHER 11755            | Select    |            | 20190118   | 9.1  | 59  | 101 | 213   | 75     | 2.68 | 7.6  | 3.1  | 1.8  | 2.34 | 2.15 | 1.76 | 0.51  | 73     | 4.8 | 3.3 | 2841 |
| HO840003200059818   |                             | GeneSeek  |            | 20181215   | 9.0  | 67  | 87  | 215   | 73     | 2.73 | 8.4  | 3.4  | 2.2  | 1.91 | 1.96 | 1.60 | -0.29 | 70     | 2.4 | 2.9 | 2841 |
| HO840003204164792   | DENOVO HONDA 15554-ET       | ABS       |            | 20181225   | 8.9  | 76  | 100 | 253   | 75     | 2.64 | 7.3  | 1.3  | 1.2  | 1.48 | 2.06 | 1.01 | -1.36 | 73     | 4.4 | 3.7 | 2841 |
| HO840003204164889   | DENOVO 15651 CENTURY-ET     | ABS       |            | 20190122   | 8.9  | 58  | 80  | 190   | 75     | 2.58 | 8.4  | 4.3  | 3.4  | 1.80 | 2.33 | 0.94 | -0.01 | 72     | 2.3 | 3.8 | 2841 |
| HO840003205703820   |                             | GeneSeek  |            | 20190225   | 9.6  | 72  | 117 | 248   | 73     | 2.79 | 6.9  | 3.0  | 1.6  | 1.68 | 1.30 | 0.73 | -0.14 | 70     | 3.4 | 3.2 | 2841 |
| HOCAN000013098975   | PROGENESIS REDWINE-ET       | Zoetis    | 200HO11493 | 20180528   | 10.0 | 50  | 62  | 169   | 76     | 2.66 | 10.1 | 5.1  | 5.6  | 1.81 | 2.61 | 0.81 | -0.75 | 74     | 3.9 | 3.7 | 2841 |
| HOCAN000013153808   | SILVERRIDGE V EDITORIAL-ET  | Zoetis    | 200HO11589 | 20180602   | 10.1 | 67  | 77  | 184   | 76     | 2.74 | 7.9  | 2.9  | 2.7  | 2.44 | 2.85 | 0.89 | 0.38  | 74     | 2.5 | 4.7 | 2841 |
| HO840003123606898   | ST GEN NOBLE CAESAR-ET      | GenVis    | 551HO03690 | 20180120   | 10.0 | 65  | 64  | 171   | 76     | 2.55 | 8.0  | 3.3  | 4.2  | 2.26 | 2.44 | 0.61 | 0.79  | 74     | 3.7 | 4.1 | 2840 |
| HO840003140185101   | EILDON TWEED NUGE TANGER-ET | Select    |            | 20181217   | 9.6  | 60  | 95  | 222   | 75     | 2.72 | 7.0  | 3.5  | 3.2  | 1.65 | 2.07 | 1.57 | -0.62 | 71     | 4.8 | 4.3 | 2840 |
| HO840003140371520   | FB 6860 SPECTRE PERK-ET     | ABS       | 029HO18843 | 20170503   | 9.8  | 67  | 125 | 268   | 77     | 2.85 | 5.2  | 1.1  | 1.0  | 2.05 | 1.83 | 1.43 | -0.35 | 76     | 4.4 | 3.7 | 2840 |
| HO840003142332549   | PINE-TREE ACHIE KORBEL-ET   | Genex     | 001HO13879 | 20171227   | 9.0  | 71  | 107 | 253   | 77     | 2.75 | 6.6  | 1.7  | 2.1  | 1.53 | 1.65 | 0.61 | -0.95 | 76     | 2.1 | 3.3 | 2840 |
| HO840003142704573   |                             | Zoetis    |            | 20180602   | 9.6  | 74  | 73  | 208   | 75     | 2.85 | 7.2  | 1.5  | 4.3  | 2.02 | 1.87 | 1.04 | -0.13 | 73     | 2.3 | 3.8 | 2840 |
| HO840003146617459   | DELICIOUS 84397-ET          | SexTech   |            | 20180905   | 10.1 | 52  | 103 | 228   | 75     | 2.74 | 7.5  | 4.1  | 4.2  | 1.15 | 2.05 | 0.30 | -1.20 | 73     | 2.7 | 4.4 | 2840 |
| HO840003146617504   | STGEN 84442-ET              | SexTech   |            | 20180914   | 8.4  | 49  | 89  | 197   | 75     | 2.58 | 9.1  | 4.5  | 3.8  | 1.46 | 2.10 | 1.20 | -1.09 | 72     | 2.7 | 3.4 | 2840 |
| HO840003146923006   | BOMAZ PETRO-ET              | GeneSeek  | 029HO19012 | 20171222   | 9.8  | 72  | 88  | 212   | 77     | 2.84 | 5.2  | 1.9  | 1.3  | 2.94 | 2.81 | 1.42 | 0.73  | 75     | 3.1 | 3.0 | 2840 |
| HO840003147375525   | OCD SHELBY-ET               | Zoetis    | 200HO11616 | 20180327   | 10.0 | 52  | 80  | 188   | 76     | 2.74 | 7.2  | 0.7  | 5.1  | 2.08 | 2.99 | 0.77 | -0.47 | 74     | 3.9 | 4.0 | 2840 |
| HO840003148929059   | SANDY-VALLEY LENNY-ET       | Zoetis    | 200HO11621 | 20180414   | 9.3  | 57  | 107 | 208   | 77     | 2.55 | 7.6  | 2.8  | 2.8  | 1.83 | 1.51 | 0.64 | 1.82  | 75     | 2.2 | 3.8 | 2840 |
| HO840003149443886   | SIMPLE-DREAMS 156           | Select    |            | 20190125   | 9.6  | 75  | 94  | 233   | 75     | 2.74 | 7.7  | 2.1  | 1.3  | 1.66 | 1.80 | 1.75 | -0.48 | 72     | 2.1 | 3.0 | 2840 |
| HO840003151787927   | BLUMENFELD SKYWALKR 6389-ET | ABS       |            | 20180923   | 9.5  | 83  | 88  | 246   | 76     | 2.64 | 7.0  | 1.1  | 1.3  | 1.49 | 1.94 | 1.21 | -0.47 | 72     | 3.0 | 4.0 | 2840 |
| HO840003200124630   | SIEMERS HUEY ROZZED-ET      | Select    |            | 20190105   | 10.1 | 48  | 100 | 198   | 76     | 2.55 | 7.0  | 3.9  | 2.0  | 2.24 | 2.43 | 2.20 | 0.51  | 74     | 3.7 | 4.0 | 2840 |
| HO840003200824329   | PEAK CHYNE EXPLSN 81686-ET  | Alta      |            | 20190206   | 9.1  | 47  | 81  | 191   | 73     | 2.46 | 9.0  | 4.4  | 3.3  | 1.81 | 2.73 | 1.44 | -0.46 | 71     | 4.4 | 4.2 | 2840 |
| HO840003200824692   | PEAK LUNA MARUS 61999-ET    | Alta      |            | 20181231   | 9.6  | 75  | 101 | 243   | 73     | 2.67 | 7.1  | 2.9  | 1.2  | 1.77 | 1.82 | 1.00 | -0.22 | 71     | 4.5 | 3.2 | 2840 |
| HO840003200824734   | PEAK SANSO HOTJB 62041-ET   | Alta      |            | 20190117   | 9.5  | 59  | 92  | 208   | 72     | 2.77 | 7.2  | 3.5  | 1.7  | 2.42 | 2.79 | 2.31 | -0.09 | 69     | 5.1 | 4.1 | 2840 |
| HO840003200824789   | PEAK PIPPA EXPLSN 62096-ET  | Alta      |            | 20190204   | 9.0  | 62  | 101 | 232   | 73     | 2.80 | 8.9  | 3.4  | 2.1  | 1.52 | 2.01 | 1.60 | -0.68 | 72     | 3.2 | 4.0 | 2840 |
| HO840003201862961   | WINSTAR AMAZON 2256-ET      | ABS       |            | 20190201   | 9.1  | 68  | 89  | 223   | 76     | 2.57 | 8.2  | 3.3  | 3.1  | 1.08 | 1.70 | 0.75 | -0.55 | 73     | 3.5 | 3.3 | 2840 |
| HO840003202241170   |                             | ABS       |            | 20190209   | 9.6  | 71  | 108 | 243   | 75     | 2.75 | 7.1  | 2.6  | 2.4  | 1.30 | 1.68 | 0.42 | -0.29 | 72     | 3.6 | 3.8 | 2840 |
| HO840003202789454   |                             | GenVis    |            | 20190117   | 9.1  | 73  | 94  | 223   | 75     | 2.59 | 8.0  | 2.8  | 1.6  | 1.74 | 1.51 | 1.44 | 0.54  | 72     | 3.7 | 3.1 | 2840 |
| HO840003204456837   | OCD RIVETING CALL-ET        | Select    |            | 20190220   | 9.8  | 80  | 104 | 238   | 75     | 2.72 | 6.3  | 0.7  | 1.5  | 2.13 | 1.82 | 0.76 | 0.56  | 72     | 5.6 | 3.3 | 2840 |
| HOCAN000012857537   | SILVERRIDGE V CIRCUS-ET     | Zoetis    | 200HO11587 | 20180430   | 10.0 | 70  | 103 | 221   | 76     | 2.76 | 6.4  | -0.2 | 1.0  | 2.75 | 2.53 | 1.26 | 0.95  | 74     | 3.1 | 4.7 | 2840 |
| HOCAN000013099028   | PROGENESIS RIGHTAWAY-ET     | Zoetis    | 200HO11509 | 20180608   | 10.2 | 69  | 81  | 214   | 76     | 2.83 | 8.5  | 3.0  | 3.5  | 1.84 | 2.18 | 1.22 | -0.31 | 73     | 5.1 | 4.2 | 2840 |